CU

AMIGA

WIN! A VIDEO RECORDER 100 SIERRA GAMES

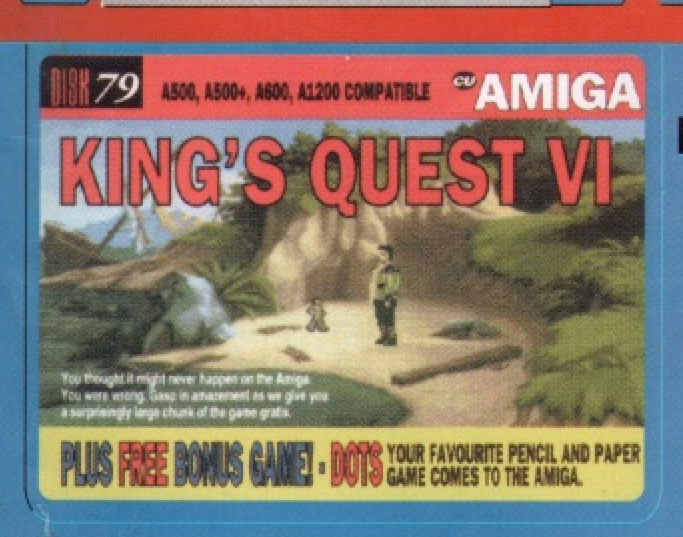
THE MAGAZINE FOR A500, A600, A1200 & CD32 OWNERS

LOOK!

ANOTHER STUNNING DISK BONANZA



NO DISK ATTACHED?
ASK YOUR NEWSAGENT



NO DISK ATTACHED?
ASK YOUR NEWSAGENT

CASH IN!

TURNING IDEAS INTO MONEY ON THE AMIGA

EXCLUSIVE

BUBBLE AND SQUEAK: PLATFORM GAME OF THE YEAR?

MUSIC X 2:

FIRST LOOK

PLUS:

CD-ROM UNRAVELLED

DEMOMANIAC ● IMAGINE 2.9 ● DARKMERE ● NAUGHTY ONES ● KING'S QUEST VI ● SWITCH QUIZ - THE ULTIMATE PUB QUIZ MACHINE IN YOUR HOME (WITH ACCESSORIES) ● SIMON THE SORCERER SOLVED - THE FINAL PART ● AND MORE!

APRIL £3.95
US$7.95 CA$9.95 DM20
PTA 995 L13600 ASCH 170
AN EMAP PUBLICATION



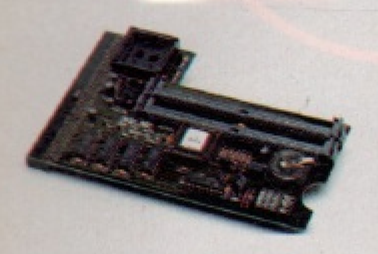


GRA
YOU
NU
OC



MR. NUTZ
B
R
TZ!
ean
AVAILABLE FOR
CBM AMIGA
OCEAN SOFTWARE LIMITED · CASTLEFIELD · MANCHESTER · M3 4LZ
TELEPHONE: 061 832 6633 · FAX: 061 834 0650





PC1202-8

Power Computing and DKB have joined forces to produce the ultimate A1200 32-bit memory expansion. The PC1202-8 uses the latest industry standard 32-bit Simm technology which allows you to use 2MB, 4MB and 8MB modules. Simply by adding either a PC1202-8 to your Amiga 1200 will increase its processing speed by 219%, comes with real-time battery backed clock and optional FPU available.

Bare

PC1202-8 .... £79.95
PC1202-8 + 68882 20MHz £99.95

With 2MB

PC1202-8 + 68882 no FPU ... £159.95
PC1202-8 + 68882 20MHz ... £179.95
PC1202-8 + 68882 33MHz ... £199.95
PC1202-8 + 68882 40MHz ... £225.95

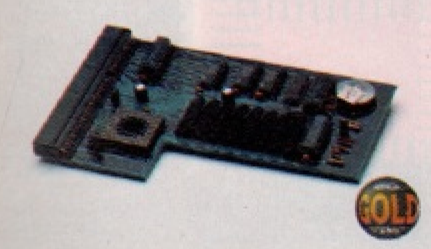
Trade in your 2MB Simm to upgrade to 4MB or 8MB, telephone for details.

With 4MB

PC1202-8 + 68882 no FPU ... £239.95
PC1202-8 + 68882 20MHz ... £259.95
PC1202-8 + 68882 33MHz ... £275.95
PC1202-8 + 68882 40MHz ... £299.95

There is no need to throw away the board if you want to upgrade from 4MB to 8MB. Its simple, just buy an extra 4MB Simm.

Extra 4MB Simm £159.95



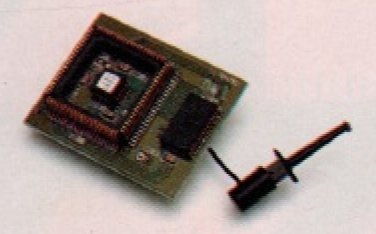
PC1204

The original PC1204 4MB 32-bit memory expansion is still available, and is exceptional value.

PC1204 + 68882 50MHz £319.95

New Midi Interface

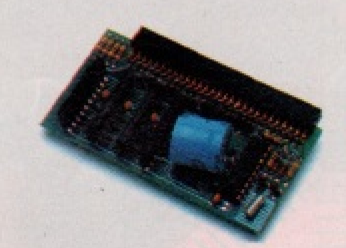
Midi Interface (new Midi chip) .. £19.95



MegaChip Ram

Increase your Amiga 500/2000 chip RAM to a total of 2MB. MegaChip does this by using its own 1MB of RAM and drawing extra memory from any other RAM you have installed in your Amiga. No soldering is required.

MegaChip RAM £159



A500 Memory

A 4-chip 512K RAM expansion with a battery backed clock. Free software included. (A500+ compatible)

A500 Card with clock £29

A500 8MB

Expand your Amiga 500 from 2MB to 8MB of RAM. Plugs into the side slot, full auto-config, and through port.

2MB Board £139
4MB Board £219
8MB Board £299

Memory Expansions

We manufacture a vast range of memory cards for the Amiga 500, 500+, 600, 1200, 1500, 2000, 3000 and 4000. Please telephone us for prices and availability.

DKB 3128

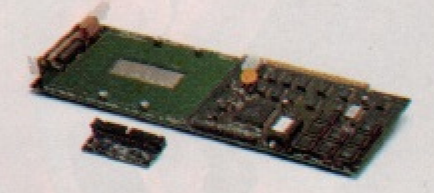
Up to 128MB of RAM on your Amiga 3000/400 using 4,8,16 and 32MB Simm modules. This is a true Zorro III 32-bit memory board.

DKB 3128 0MB RAM £279

Octogen SCSI-2

SCSI-2 board for the Amiga 2000 including memory expansion capabilities of up to 8MB.

Octogen SCSI-2 .... £129



DKB 4091

The DKB 4091 (licensed by Commodore) SCSI Host Adaptor is a high performance board that connects up to seven SCSI devices to your Amiga. The DKB 4091 features: Full Zorro III implementation, fast SCSI-2 implementation, SCSI internal connector and ribbon cable, high density SCSI-2 external connector, direct memory access (DMA) and hardware to install a 3.5" hard drive on the board.

DKB 4091 .... £299



Video Backup

Use a VCR as a backup storage device. Two hundred Amiga floppy disks fit on to a 4Hr tape which can be used for an alternative hard disk backup system. What's more you can now watch television on your 1084s monitor. A Scart or Phono version is available.

Video Backup Scart £65
Video Backup Phono £60

GVP Products

Power Computing can supply all GVP 'High end professional' hardware and software. Please call for your requirements.

EGS Spectrum 24-bit card (2MB)... £389
G-Lock (PAL video genlock) £299
HC8+ SCSI controller £129

Hard disks available from 52MB to 1GB

Co-processors

All maths co-processors include crystals.

20MHz £40
33MHz £69
40MHz £89
50MHz (PGA) £154



Disk Expander

Disk Expander is an innovative program for all Amiga users. With this software solution you may double the capacity of your floppy disk or hard disk drives. The installation process takes only a few seconds and afterwards DiskExpander works invisible in the background. The compression ratios vary from 30% to 70% depending upon the used compression-algorithms and upon the kind of data.

The easy-to-use graphical user interface guarantees that even the inexperienced user is able to use Disk Expander immediately without any problems. DiskExpander does not only expand the capacity of your hard disk drive, even floppy disks now have a storage space of approximately 1.5 megabytes.

The concept of DiskExpander was designed under the aspect of maximum data security and high compression speed. The user decides to which extent the data is condensed by choosing high or medium compression libraries and thus has direct influence on the processing speed.

- Can add 50% to your hard drive capacity at a stroke
- Fast compression and decompression
- Flexible and expandable as new compression libraries are developed
- Works with all drives, including SCSI, IDE, Floppies, and even the RAM disk
- Reliable in tests - no data corruption
- Once installed the program is transparent to the user
- Works on any Amiga and any KickStart

Disk Expander £35

Tandem CD-DE Card

The Tandem CD-DE includes these features

- For 1500/2000/3000/4000
- Supports Mitsuma LU005 CD-ROM & FX001D double speed CD-ROM drives
- Supports Syquest 3.5" drives
- Supports IDE hard drives
- Play audio CD utility
- Requires KickStart 2.04 and above
- Includes cables, software and manual

Tandem CD-DE card £69
Tandem CD-DE & Double Speed CD . £229





Calcom v.32 bis

- External Fax & Data modem
- Supports up to 57,600 bps
- Full Haynes AT command set supported
- Supports class 1, 2 and 3 fax commands
- Call back security
- Optional power on auto-dial
- Supports error correction + detection
- Leased line support
- Supplied with Amiga and PC software for Windows
- All cables & Power supply included

Calcom v.32 bis **£169**
Calcom v.32 bis inc. TrapFax......... **£199**



Fargo Primera Printer

Now you can produce stunning, high quality output on paper, transparency film or even T-Shirt transfer from your Amiga. The Primera colour printer, recent recipient of countless awards in the IBM-PC and Macintosh markets is also the perfect companion to any Amiga. Primera uses wax thermal transfer technology, a technology usually associated with much higher priced printers. Some of the features include, software drivers for Amiga, PC and Macintosh, optional photo-realistic upgrade kit (dye sublimation) and monochrome ribbon cartridges available for text printing only.

Primera printer.......................... **£649**
Photo realistic upgrade kit............. **£199**
Photo realistic refill kit (100 prints)... **£250**
Photo realistic refill kit (25 prints) . **£79.95**
4 colour ribbon (80 prints).......... **£38.95**
3 colour ribbon (115 prints) **£38.95**
Monochrome ribbon (400 prints).. **£31.95**
Primera paper (A4 200 sheets) **£18**
T-Shirt transfer paper (A4 10 sheets).. **£17.95**
Primera & Studio DS software **£699**
(Studio software is a true 24-bit printer driver)



XL Drive

The XL Drive can be used with any Amiga Computer, and allows you to store a massive 1.76MB on a high density floppy diskette. The drive can also act as a standard 880K drive and can read and write disks written on an A4000 internal high density drive. XL Drive requires Kickstart 2 or above.

XL Drive external..................... **£89.95**
XL Drive internal (all Amigas*)...... **£79.95**
XL Drive internal A4000 .... **£89.95**

PC880B Drive

The new updated PC880B is the most impressive disk drive of its kind on the market. The drive includes a strong aluminium casing, an anti-click device, virus blocker, Cyclone compatible chip and the latest built-in backup hardware which allows X-Copy to copy and verify. What's more you can now control these features through your mouse, so there are no more annoying switches to use.

PC880B with Blitz Amiga................. **£70**
PC880B with Blitz & X-Copy.......... **£80**
PC880B 1.76MB Upgrade........ **£49.95**

Features	PC880B	Amitek
Anti-click	●	●
Anti-virus	●	●
Aluminium extrusion	●	
Sony mechanism	●	●
Isolation switch	●	●
Thru'port	●	●
Upgradable to 1.76MB	●	
Cyclone compatible chip	●	
Built-in backup hardware	●	
Mouse operated	●	

PC880E Drive

This drive is a high quality external floppy drive at a fraction of the price. As with all of our drives the PC880E has a thru'port, disabling switch and 12 month guarantee

PC880E Economy Drive........... **£49.95**



Internal Drives

We use the same drive mechanisms as Commodore so that you get the kind of reassurance at a cheaper price than other internal drives on the market.

PC881 A500 Internal drive............... **£40**
PC882 A2000 Internal drive............ **£40**

SCSI/IDE Drives

We can supply SCSI or IDE 3.5"/2.5" hard drives in many different sizes. Including cables and installation software.

80MB IDE 2.5" Internal **£179**
120MB IDE 2.5" Internal **£229**
170MB IDE 2.5" Internal **£270**
52QMB SCSI/IDE....................... **£169**
80MB SCSI/IDE......................... **£179**
160MB SCSI/IDE....................... **£249**
200MB SCSI/IDE....................... **£349**

Floptical Drive

The Floptical stores 20MB of data on a re-writable 3.5" disk. (A SCSI interface is required)

Floptical A2000 Kit **£289**
Floptical A500 Kit......................... **£389**
20MB Floptical Diskette **£25**



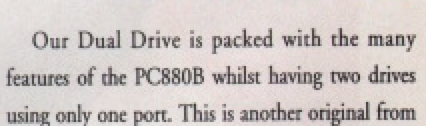
Syquest Drives

The new 3.5" removable hard disk from Syquest stores 105MB on each cartridge, with an accessing time of 17ms. An internal and external version is available. (A SCSI controller is required)

3.5" IDE Internal **£499**
3.5" IDE External......................... **£579**
3.5" SCSI Internal **£539**
3.5" SCSI External **£599**
3.5" 105MB Cartridge **£79**

Power Optical

128MB Optical Internal................ **£779**
128MB Optical External **£879**
128MB Optical Disk **£40**
SCSI Controller A2000 .... **£129**



Dual Drive

Our Dual Drive is packed with the many features of the PC880B whilst having two drives using only one port. This is another original from Power.

Dual Drive **£125**

X-Backup Pro

X-Backup Pro (Hardware designed by us) **£29.95**

Order Form

Name ....
Address ....
....
Telephone No. ....
System Owned ....
Description ....
....
....
I enclose a cheque/PO for £ ....
Credit Card No. ....
Expiry Date ....
Signature ....

Delivery next day £5.00 2-3 days £2.50 Saturday £10.00 deliveries are subject to stock availability.
Please make cheques payable to Power Computing Ltd

TEL 0234 273000
FAX 0234 352207

guarantee. Prices are valid for the month of publication only. E & OE. All prices include VAT. Power Computing Ltd 1994

CU AMIGA

CONTENTS

31 SETTING UP SHOP

Ten years ago, when home computing was still in its infancy, it seemed as though games grew out of shoe boxes at the bottom of people's beds – good games too, not the sort of run-of-the-mill commercial stuff we've seen all to often since then. But the software giants haven't completely taken over. **Tony Dillon** introduces some now familiar names who started from scratch and built an empire. Nearly. Could you do it too?



OFF THE CUFF
EDITORIAL



Alan Dykes – Editor

It's all swings and round-abouts isn't it? Dan Slingsby left the Amiga behind two months ago to boldly go forth into PC territory; I've moved in the opposite direction.

And I'm seriously enjoying it. The thing about the Amiga is that, although it is a serious machine, it's not taken as seriously as the PC. Let me elaborate. Most PCs are bought for business needs first, entertainment second. For all their super fast, local bus motherboarded, 486DX2 chipped, all singing and dancing glory, they're not that much fun are they? Well, their users aren't anyway. The average Amiga owner has a much deeper background in home computing. He started off with a C64 or a Spectrum, or maybe he's grown up with the Amiga. He will have tried programming his own games or applications at some stage or other, and has probably dabbled in music and demos. He may even have had some of his work published as PD or otherwise. He buys exciting games, ones which the PC has never been able to accurately emulate, like *Sensi Soccer* and *Alien Breed* (incredible thorns in the PC's side). And the PC user? He's a Lotus 123 fanatic with too much space on his hard drive for his own good. Let's face it readers, you're great!

And so is CU AMIGA. I mean, just look at what we've got lined up for you this month: In our cover story we tell you how some enthusiasts joined forces to produce and market great games. In CD32 Zone Tony Dillon starts a new diary of a game, featuring *Space Academy*, a CD32 only development by Stellar Genesis Agency for Mindscape, just one of the many titles currently under development solely for that machine. And speaking of CD, John Kennedy investigates CD-ROM possibilities that use current technology. What a guy. Enough! Read on...

Alan Dykes
Editor

NEXT ISSUE ON SALE 19 APRIL

EDITOR: Alan Dykes **DEPUTY EDITOR** Lisa Collins **GAMES EDITOR** Tony Dillon **ASSISTANT TECHNICAL EDITOR** Tony Horgan **GROUP ART EDITOR** Gordon Barrick **ART EDITOR** Jo Winslow **TECHNICAL CONSULTANTS** Mat Broomfield, John Kennedy **CONTRIBUTORS** Jason Holborn, DJ Walker-Morgan, Peter Lee, Andy Mitchell, Vampyra, Mark Patterson, Steve Keen, Paul Presley **DISK COMPILER** Kenny Grant **ADVERTISEMENT MANAGER** Sean Collings **SALES EXECUTIVES** Chris Perera & Kiera Roche **AD PRODUCTION** Tina Gynn & Robin Ryan **GROUP ADVERTISEMENT MANAGER** Nigel Taylor **PUBLISHING DIRECTOR** Mike Frey
CU Amiga offices Priory Court, 30-32 Farringdon Lane, London EC1R 3AU. Tel 071 972 6700 Fax 071 972 6701. Distribution BBC Frontline Ltd, Park House, Park Road, Peterborough PE1 2TR. Tel 0733 551 161. Subscriptions and enquiries Tower Publishing, Tower House, Sovereign Park, Lathkill St, Market Harborough, Leics LE16 9EF Tel 0858 468 888. Annual Subscription Rates (inc postage) for 12 issues: UK & BFPO £47.50, Overseas surface mail: £60.00, Airmail Europe & Eire £66.00, Airmail Zone 1 & 2 £96.50
PRINTED IN THE UNITED KINGDOM

ABC 112, 780
July-December 1993

AD INDEX...........

GET SERIOUS

PRODUCTIVITY REVIEWS PRODUCTIVITY REVIEW

Excellent news for *Imagine* users! The new update version 2.9 gets the CU AMIGA review treatment on page 104. Another first is the massive preview of *Music X 2.0*, and don't miss our comprehensive guide to making your Amiga CD-ROM compatible.



Check out the exclusive preview of *Music X 2.0* on page 110.

CD-ROM is dissected and digested on page 120.

SCREEN SCENE

GAME REVIEWS GAME REVIEWS GAME REVIEWS

What a crazy hotpot of smash hits and near misses we've got for you this issue! We were worried we weren't going to be able to fit them all in! Audiogenic return with their incredible platformer *Bubble & Squeak*, while Core finally release the atmospheric *Darkmere*. Get reading!



Kings Quest VI earns itself a screenstar in its review on page 73.



Being naughty is sometimes nice as we find out in *Naughty Ones* on page 79.

REGULARS

COVERDISKS

The amazing *Adorage* is the star of the first disk this month. It comes complete with *Master Virus Killer* and the compelling strategy game, *Task Force*. Probably the best adventure game this year, *Kings Quest 6* comes your way on the second disk.

DISK 78 — PAGE 16

Slicker than a Brylcreamed porcupine, *Adorage* is here to give all your videos a truly professional edge. It's yours with this issue, and when we give you a full-price software application, we give you the complete, fully-featured program, not the sort of half-baked, save-disabled teaser program that others offer. At last you can emulate all those super-smooth wipes and have the screen peeling off to reveal the next shot, or exploding into lots of tiny pieces. Thanks to the SSA animation player, you even get 50 frames per second playback in many cases, lending an extra touch of finesse to any production. *The Master Virus Killer* is also on disk 78, one of the most comprehensive virus-killing systems around, this is just what the doctor ordered. Bringing up the rear, there's the *Laser Squad*-style *Task Force* – a complete sprawling strategy wargame to keep you up well into the small hours.



DISK 79 — PAGE 25

Sierra are returning to the Amiga, albeit under the watchful gaze of Revolution Software. Charles Cecil and the gang, creators of *Beneath A Steel Sky*, have been trundling along with this one for a few months, and you have to admit it's a bit of a cracker.

Ported directly from the PC version, *Kings Quest VI* is a mammoth adventure, taking you over land and sea, and you can sample a healthy chunk of it with our extra special coverdisk this month.

Gasp at the graphics! Shriek at the sound! Beware of brain strain! It's enormous!

Not only that, but we also bring you a PD version of everyone's favourite game, *Dotz*! Can you build more blocks than your opponent in the space provided? Simple, but addictive, you won't want to load another disk until this time next month!



• The Bitmap Brothers •

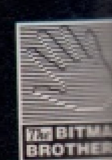
THE CHAOS ENGINE

Now Available for AMIGA CD32





Fully Animated Intro • Enhanced User-Interface • Interactive Instruction Manual
CD Audio Tracks & CD Background Effects



CU NEWS

CD32 SOFTWARE SALES RIDING HIGH



The CD32 is topping the software sales charts all over the country. Unlike its console counterparts bottom right and left.

Commodore was in an exceptionally buoyant mood this week as the latest Gallup figures showed CD32 software sales clearly at the top of the charts for the first time. The charts, which show the actual sales of CD-ROM software around the country, reveal that Sega's Mega CD has finally slipped from the number one slot, dropping over 20% of their market share during the last month.

The news comes at a time when the consoles are just starting to feel the pinch, reflected in the almost universal drop in sales of console magazines. It seems that people may finally have got fed up with paying the inflated software prices . Ironically, in the face of this evidence, Sega has apparently been bullishly declaring that it no longer considers its biggest rival Nintendo, to actually be a rival any more!

Whilst these two slug it out, it looks as though the CD32 is poised to come in and forge ahead from behind. Even more interesting are the fortunes of 3DO, the new American wonder-console which looked as if it would pose a serious threat to CD32 sales. However, contrary to initial reactions, many major US players are now giving the machine a distinctly frosty reception and its future is looking less certain than it was previously.

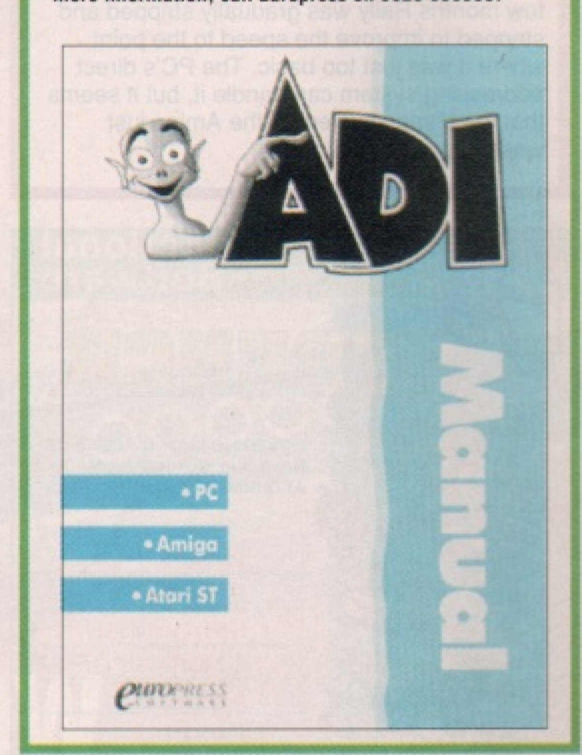
It would appear that the American public are not the financial fools everybody had hoped they might be, because there is a marked lack of people queuing up to hand over the $699 asking price. It now seems certain that when the machine finally hits these shores, that it will have price tag of £499; very expensive for a games console.

In the meantime, CD32 keeps selling, and so does the software. Perhaps the most significant thing about the latest Gallup figures is the fact that they place CD32 sales over 7% above those of PC CD-ROM. Considering the fact that there are tens, if not hundreds of thousands of PC CD-ROM players out there, it's remarkable that the CD32 has managed to ward them all off. Amusingly enough, Philips, the main rival in terms of CD Video sales, only rates a paltry 1.8% of the overall pie, proof enough, if any were needed, that Commodore is back, and they mean business.



GCSE IN AMIGA GAMES

No, it's not a new school course, just a way of introducing you to Europress Software's new GCSE ADI packs. Aimed at the 14-16 year old age range, the packs are different in that they cover a two year age group rather than the single year normally covered. Costing £34.95 instead of the usual £25, topics covered include English, French and Maths. It's all up to the usual high standard, and should be in the shops very soon! For more information, call Europress on 0625 859333.



I'D BUY THAT FOR A FIVER!

Daze Marketing have had a very successful run with the *Ishar* series, but not everyone has a copy yet. On the same note, not everyone has a copy of the brilliant *Transartica* either. Neither game has been released on budget yet, which means that if you want to go out to the shops to pick up either, you'll have to fork out (a worthwhile) £25.99. Unless, of course, you buy them through CU AMIGA. Thanks to those nice chaps at Daze, we can offer you either of these games for no more than £5 EACH!! Or TWO FOR TEN POUNDS! To take advantage of this exceptional offer, please fill in the coupon below, with a cheque or postal order (no credit cards please) made out to Daze Marketing, and send it off to "Blimey That's Cheap Offer, Daze Marketing, 2 Canfield Place, London NW6 3BT. Please allow 28 days for delivery.

Please send me my wonderful Silmarils games as soon as you can.

Name: ....

Address: ....

....

....

I would like ___ copies of *Ishar* and ___ copies of *Transartica* please.

»

NO RALLY FOR AMIGA!

It has now been announced that *Rally*, the game that has caused such a buzz in the last few months is not now going to be released on the Amiga. Already a smash hit in the PC market, the game has proven impossible to do on any but the fastest Amiga. Over the past few months Rally was gradually stripped and stripped to improve the speed to the point where it was just too basic. The PC's direct addressing system can handle it, but it seems that the bitmap system of the Amiga just wasn't up to the job.

TFX - LANDING SOON!

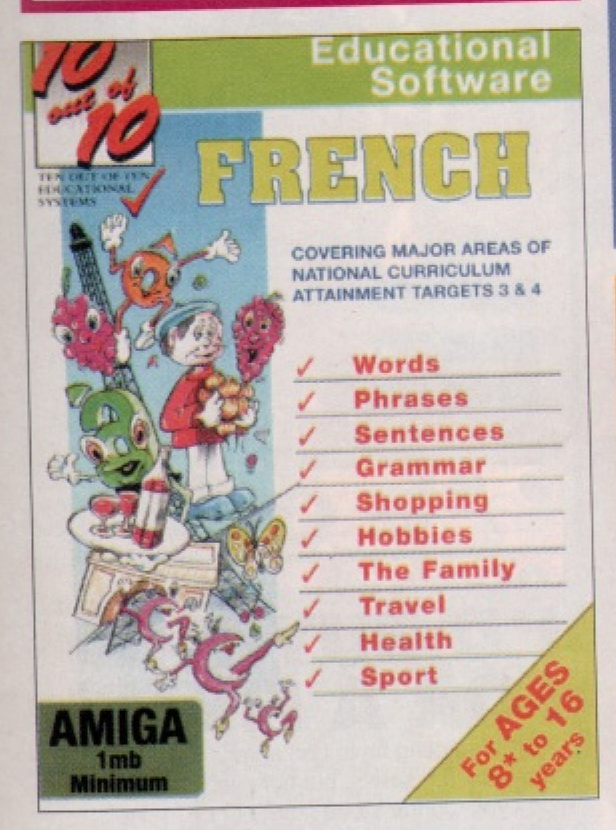
It's a game that we've had more calls and letters about than anything else, and it's here. *TFX* (*Tactical Fighter EXperiment*) is about to be unleashed after months of delays and setbacks, and it looks better than ever. To be released in June for the CD32 and A1200, DID's finest hour should be every bit as fantastic on Commodore's war-baby as it is on the PC. The CD32 version will have all the same colours as the PC, with the same texture maps and Gouraud shading. The hard disk installable A1200 version will also have all the colours and shading, although some of the more complex shapes may be simplified slightly. Look out for a review soon. Or call Ocean on 061 832 6633 for more details.

BEST VALUE CD-ROMS EVER?

Almathera have just announced what is undoubtedly the best value CD in the world. For the absolutely miserly price of £14.95, you'll be able to buy *Euroscene 1*, a CD containing approximately one gigabyte (that's 1,000 megabytes!) of archived demos and PD software. In order to access the data, you'll need a keyboard and a mouse. You'll also need a bootable system disk (one containing Workbench) or a Serial port link to another Amiga. All in all then, not a disk for the total beginner but a darned worthwhile product.

For those of you who work in video, graphics or DTP, their Image CD is a dream come true! 660 megabytes of compressed 24-bit images on a CD, complete with viewers for both Amigas and PCs. No price has yet been finalised for this CD although Almathera say that they will be setting it at the same affordable level that has characterised their recent CD releases. As with the Euroscene disk, you'll need some extras to use the photo disk.

You can find out more by phoning Almathera on 081 687 0040.



10/10 SILVER PLATE?

10 Out Of 10 Educational Software return to the shelves once more this month with *10 Out Of 10 French*. Aimed at the 8 to 16 year old range, the package features six different games to teach phrases, grammar and a vocabulary in an interactive and interesting way. If it's as good as the others in the series, it'll be a welcome addition to your school course. Call 0742 780370 for details.



SCANNERS NOW CHEAPER THAN EVER

Golden Image have just announced that their Alfascan scanner has just been reduced by £44 to £135. The device, which is capable of producing scans in 256 shades of grey, is also bundled with the optical character recognition software OCR Junior, a package which itself retailed for £79.95.

You can find out more by phoning Golden Image on 081 365 1102.

RESERVOIR FISH?

Rumours are circulating currently concerning the future of our old friend James Pond, about to return once more in *Operation Starfish*. Apparently, Millennium's next step is to make the move to CD in a bigger way, with large sections of the game using full motion video, shot underwater at the recently reopened Ealing Studios. The cast is yet to be finalised, but current Hollywood darling Harvey Keitel is rumoured for the role of Dr. Maybe. Call Millennium on 0223 844894 for more details.

COMMODORE SUPPORTS SERIOUS USERS

At last Commodore have put paid to criticisms that they don't market the Amiga range effectively, by opening the first of three dedicated Amiga solutions advice centres.

The centres, dubbed Amiga Centres of Excellence (ACE) are designed specifically to assist upmarket users to choose the best Amiga set-up for their requirements.

The centres will also have an invaluable opportunity to promote the entire Amiga range to big business, but are likely to focus on the up-market machines such as the A4000.

The first centre is to open in Colwyn, Wales on March 1st, with two more centres due to open in the coming weeks.

SOFTWARE PRICE WAR RAGES

A recent spate of discounting has blossomed into a full-scale price war that can can only spell good news to the the average software buyer. What started as a bit of discounting by Blockbuster to try and stimulate sales for the ludicrously overpriced *Sonic 3* cartridge, caused an escalating spire of price-cutting. Future Zone, one of the country's biggest specialist retailers took their time to react, but when they did it was with sweeping discounts across the entire software range, including Amiga games. Some titles have been discounted by as much as £20.



MODEMS NOW EVEN CHEAPER

Siren Software have just started distributing the Best Data 'Smart One' range of modems. The modems are capable of transmission speeds of up to 14,400 BPS, yet only cost £199.99. The modems feature full duplex, V42bis and MNP5 data compression, with Fax group III compatibility.

For details phone Simon Cobb on 061 724 7572.



HEWLETT PACKARD SUPPORTS THE AMIGA

Printer manufacturer Hewlett Packard recently announced the availability of specially commissioned Amiga drivers for the vast majority of its printer range, including the 1200C, the 550C and the Laser and Paintjet series'.

The driver is pre-configured to produce optimum print speed and shade resolution, although it only supports 4096 colours, so it still won't be able to produce a full range of output when used to print AGA or 24-bit images.

It's currently available in English or German and you can find out by contacting their Fax Information Retrieval Service on 0800 960271.

EPSON PROJECTOR OUT OF PRODUCTION

Epson's Top Rated VP-100PS video projector (reviewed in CU AMIGA February 1994) has now ceased production. Although Visual Products had tied up a distribution deal for the projector, all the existing units have now been sold. Due to very popular demand for the unit, Visual Products are at present in negotiations with the manufacturers of a similar projector, which they hope to be distributing very soon, although they are unlikely to be able to match the VP-100PS's relatively low price of £799. Contact Visual Products on 0494 890601.

CD32 USER GROUP

CD Exchange is a user group dedicated solely to the Amiga CD32. Members will benefit from regular newsletters and swap facilities. A quarterly CD-ROM is also being considered.

Membership is £9.99. Contact them at CD Exchange, Unit D5, Hi-Tech House,Blackfriars Street, Norwich, NR3 1SF. Tel: 0603 662066.

»

VISTALITE - FRACTAL LANDSCAPING FOR EVERYONE

Virtual Reality Laboratories this week announced the availability of a new special version of *Vista Pro*. The program only requires 2Mb of memory to run as opposed to the six megs required by *Vista Pro 3.0*.

The majority of *Vista*'s important features have been retained, including variable tree types, waves, rivers, stars and, of course, full support for Digital Elevation Maps which allow you to render real-world scenes.

This remarkable feat of programming has apparently been achieved by creating a virtual RAM disk, so that when the program runs out of conventional RAM, it can use a hard drive as extra memory.

The program, which retails for £59.95, is available from Meridian Distribution. Call them on 081 543 3500 for further details.

TRIPLE VISION

A new company called Visual Promotions has announced its entry into the computer arena with a trio of graphics related products.

The first is a T-shirt printing service. If you send them an IFF screen on a disk, they'll print the file in black and white or grey shades onto a quality white T-shirt for only £6.95. If you're feeling exceptionally flush, you can send two pictures and have a double sided shirt printed for only £8.95.

Video users will doubtless be interested to hear about their Visuals collection; a series of disks, each containing a collection of photo-realistic graphic files. The first volume consists of three disks of landscape and sunset images. The images are available in a variety of formats ranging from HAM and HAM8 up to 24-bit, BMP and TIFF. The set is a snip at only £5.95.

The final product is a book called *The Ultimate DTP Guide*, and it'll come as absolutely no surprise to learn that it covers a variety of DTP related subjects including choosing a software package, page design, fonts and using graphics. At only £5.95, the book seems to represent good value for money. You can expect a review here soon. For further details phone 0303 245378.



FREE COMMS GUIDE FROM US ROBOTICS

Modem manufacturers US Robotics are offering 300,000 free copies of a guide to on-line services and Comms.

Entitled *The Sportster Guide to On-Line Services*, the 45 page full colour booklet is primarily aimed at PC owners, although it also contains a great deal of interest to Amiga owners too.

The Guide is being distributed via a number of PC magazines, but if you have trouble tracking a copy down, you can obtain one from Sally Roberts, US Robotics, 224 Berwick Avenue, Slough, Berkshire, SL1 4QT. Tel: 0753 811180.

MEDIAPOINT LICENCES

Activa International have asked us to clarify the fact that users do NOT have to pay a licence to use their player program in an output mode only. However, if the player is used interactively as part of a communications network, a site licence of £150 per terminal is payable. The program itself has just fallen in price from £399 to £300.

Incidentally, Scala requires a site licence of £99 to be paid for each location that the player program is used, regardless of whether it forms part of an interactive network or not.

RUMOUR MILL



Commodore have just released another new A1200 based hardware/software package. Like the existing 'Desktop Dynamite' one, the 'Computer Combat' pack features a combination of games and applications. Included are a word processor – Wordworth 2, a personal organisor, graphics package – Personal Paint, and three games: Brian the Lion, Zool 2 and Total Carnage.

When talking to CU, Commodore also hinted that their existing,best selling, 'Desktop Dynamite' pack will be phased out in the Autumn. This will make way for an even newer pack, no details about it were available. The Computer Combat pack is priced at £349.

Oops Corner

WORDWORTH 3 UPGRADE

Apologies to Meridian Distribution who have apparently been swamped with enquiries from Wordworth owners looking for details about the upgrade to version 3. We should have told you to go directly to Digita International. You can phone them on 0395 270273.

AMIGA GAMES Hints ☆ Tips CHEATS & ADVENTURE SOLUTIONS

AMIGA GAMES BOOK

Serious Amiga gamers might be interested to know about a brand new Amiga games book which will help them to get the most out of their games. The book is absolutely choc-a-block with single line tips, cheat codes, walk -throughs and complete solutions.

Whether you've just come up against a temporary block, or you're crap at all games, this book can help you to improve. It contains, hundreds, if not thousands of hints suitable for everyone from the rawest beginner to the most seasoned expert.

It's called *Amiga Games, Hints, Tips, Cheats and Adventure Solutions* and you can get your copy from Kuma Books. For more details Tel: 0734 844335.

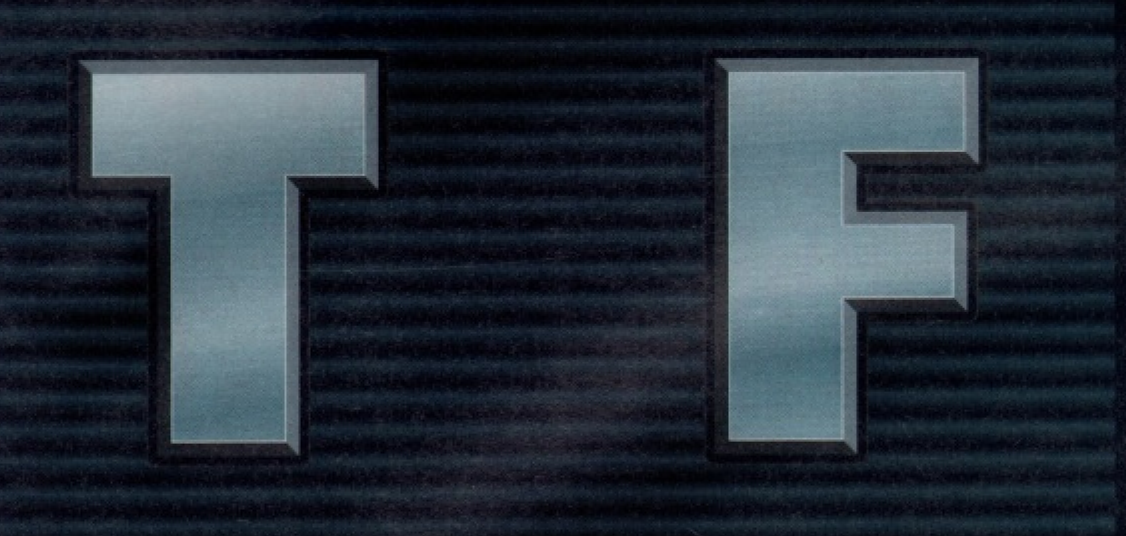
HEAVYWEIGHTS TO ATTEND MEMS



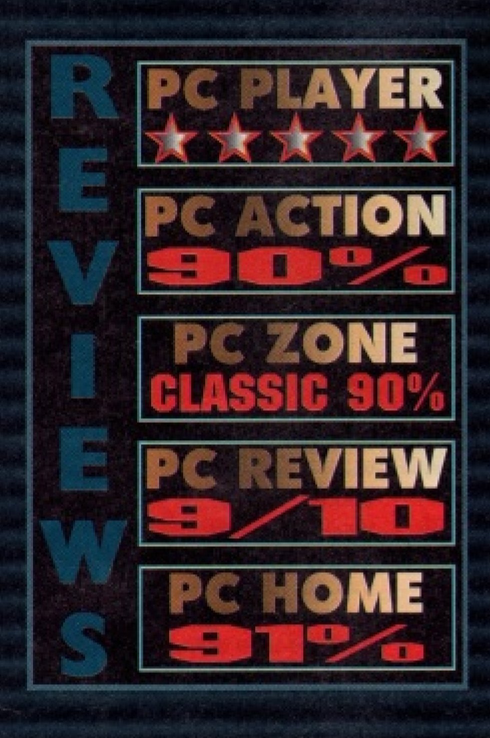
Wembley Exhibition Centre will play host the MIDI and Electronic Music Show (MEMS) from April 22nd to 24th, 1994. The show has traditionally provided a forum for leading edge music companies to display their latest products as well as touting existing wares. It also gives a stage to some of the most innovative musicians and producers to strut their funky stuff.

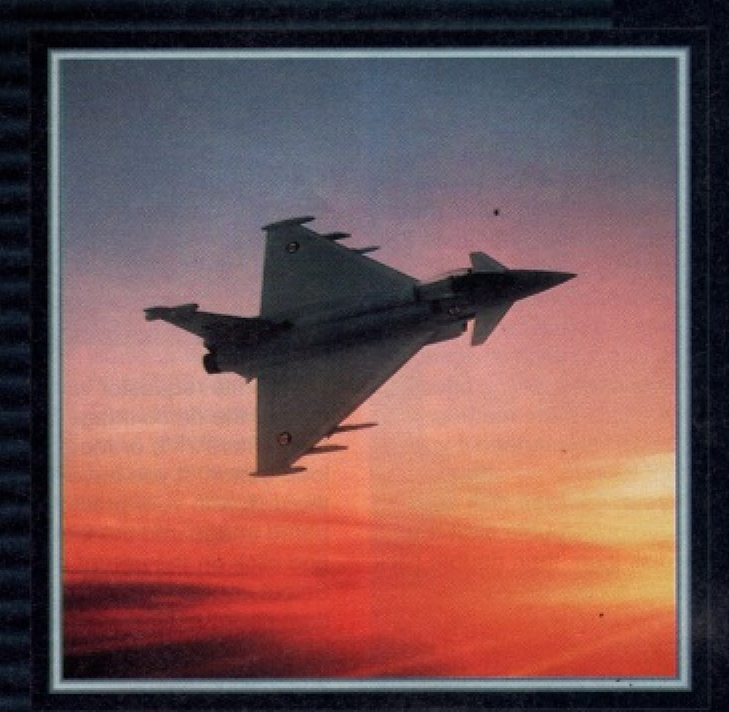
This year's show promises some exciting new products, including Yamaha's 'virtual acoustic synthesiser', and their new TG300 tone generator. Akai will be using a Virtual Reality system to advertise their new products. Roland will be showing their whole range, including the JV-90 and the E-series of 'intelligent' synths, while Korg will be wheeling out their showpieces from the recent Frankfurt Musikmesse.

Visitors will also be able to attend a number of seminars, while they'll also have the opportunity to speak to experts at question and answer sessions geared towards optimising user's music setups. Admission to the show will be £8 on the door, or £5 in advance. For more information, contact Westminster Exhibitions on 0222 512128.









"It's more than a straight flight sim:, D.I.D. have emulated multi-million dollar flight simulators. When you play TFX the first thing that hits you is the detail of the landscape... over seven million square km appears on screen, with hills, roads and mountains all in the right place." THE EDGE

"The graphic detail is quite superb, with stunning visuals and strong sense of image, TFX is quite often like watching a movie... when I first saw TFX my jaw dropped so far it took me 15 minutes to find it again! It's fast, good looking and fun." PC REVIEW







Tactical Fighter Experiment... the only choice worth making where state of the art flight simulation is concerned.
Take control of one of three of the finest aircraft money can buy:
Eurofighter 2000
Lockheed F-22
Lockheed F-117 Stealth Fighter
TFX... a simulation at the cutting edge of aerial combat enhanced by unprecedented in-depth research and authentic flight detail.
Take on the missions... fight for peace.

PC & COMPATIBLES · PC CD-ROM · AMIGA 1200 · CD32

DIGITAL IMAGE DESIGN



DIGITAL IMAGE DESIGN

OCEAN SOFTWARE LIMITED · 2 CASTLE STREET · CASTLEFIELD · MANCHESTER · M3 4LZ · TELEPHONE: 061 832 6633 · FAX: 061 834 0650



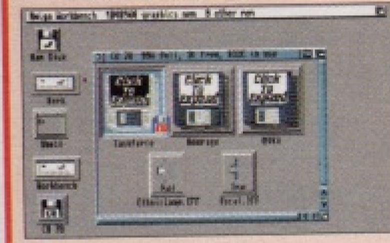
COVERDISK 78 ADORAGE 1.81

Stunning! A fully-featured video animation package is yours with *Adorage 1.81*!

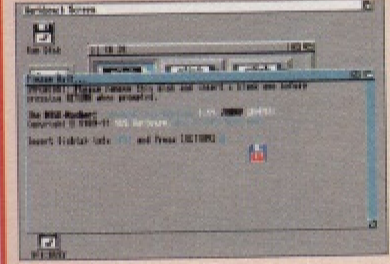
A *dorage* is a video effects package that specialises in creating professional quality wipes and fades. You supply it with a foreground IFF image, and an optional background image, select your desired effect, and *Adorage* renders a slick animation. For example, your production company logo could make an entrance onto the screen like an unfurled flag, or it could break up into lots of tiny pieces and blow away in the wind. It makes an excellent alternative to boring old scrolling credits. Why not transform your titles with your cast list exploding into the foreground, or add a bit of spice to that scene change with a neat roller-blind effect? Your friends will adore it!

YOUR QUICKSTART GUIDE TO LOADING DISK 78

Before you start, write protect your disk to prevent any mishaps. You'll need three spare disks, which can be either formatted or unformatted.



1 Insert Disk 78 into the internal floppy drive and turn the Amiga on.



2 Once the disk has booted up to a Workbench screen, double click the Disk 78 icon.

3 Double click the Task Force icon, and insert your first spare disk when the prompt tells you.

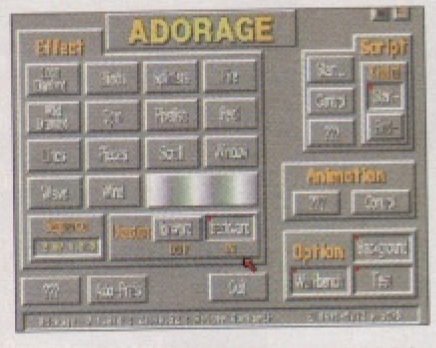
4 Replace Disk 78 when you're asked.

5 Repeat steps 3 and 4, first clicking on the Adorage icon and then on the MVK icon.

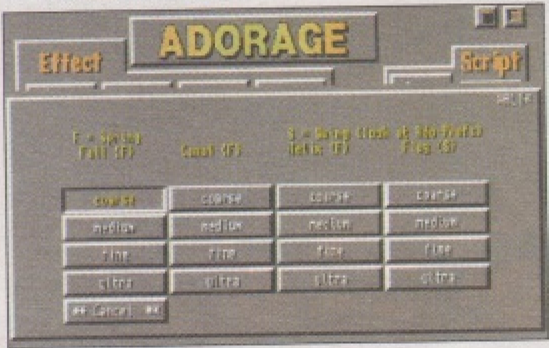
GETTING STARTED

Adorage creates very smooth animations, but at the price of fairly heavy memory usage. If you've got a 1Mb Amiga, the first thing you need to do is create a lo-res interlaced 2 colour image. Do this with *Deluxe Paint* or something similar, and save it out to a blank disk. If you try to use the demo image on the *Adorage* disk with just 1Mb, you'll run out of memory. Even using lo-res interlaced 2 colour images, you may come up against memory problems. These can manifest themselves as crashes, partial lock-ups, or simple "out of memory" messages. Some effects will require a little more memory than others, so don't be alarmed if your first attempt fails.

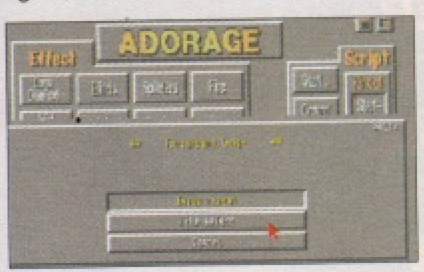
Insert your *Adorage* disk and reset the Amiga. Double click the *Adorage* disk icon, then double click the *Adorage* program icon. The main control panel will pop up after a few seconds. Take a look at the available effects on the left-hand panel, and click one of them with the left mouse button.



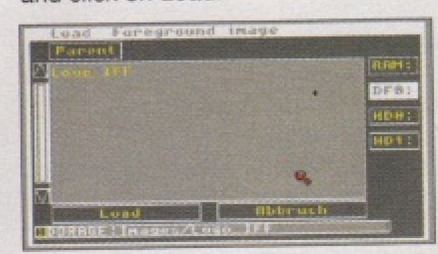
A second panel will appear, which will vary depending on the effect you've chosen. As a rule, Adorage always has the suggested option highlighted in yellow, so if in doubt, choose that one. In this case though, you can pick any one you like. The options you see here are variables for the current effect.



Now you'll be asked to specify the foreground image. As you won't have loaded anything yet, click on File Select . If you've previously loaded an image, and you want to use it again, click on Image Repeat.



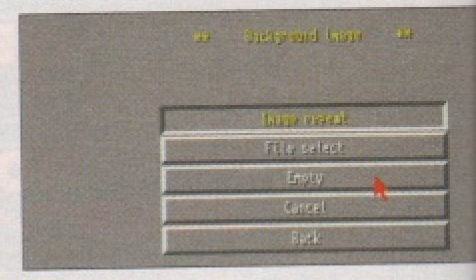
The file requestor will be set up to load the demo image "Logo_IFF". If you have 2Mb or more, click the load button. If you have 1Mb, insert the disk with your previously prepared image into the internal drive, and click on the parent button. Select cancel from the requestor, then click the DF0: button. Now select the filename of your image and click on Load.



Your image will be displayed until you click the mouse.

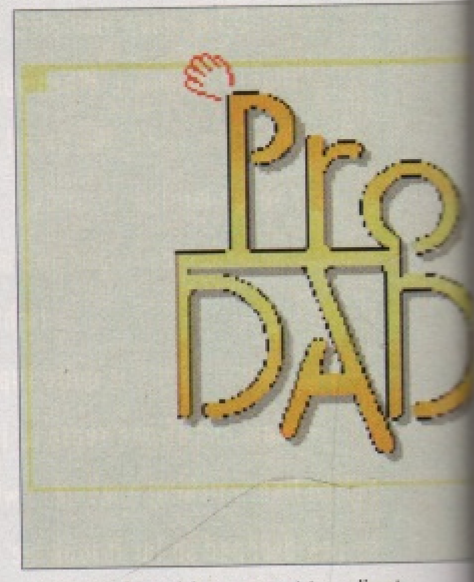


The next panel asks you to choose your background image. To keep things simple, it's best to select the Empty option at this point. This will use a plain black screen as the background, and will save memory. If you have enough free memory, you could choose another image from disk, or use one from the previous animation. The background and foreground images must be in the same resolution, with the same number of colours.



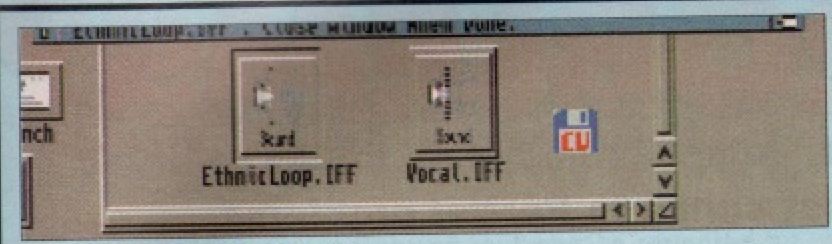
Next you can define a specific part of the image to be processed. If you want the whole screen to be affected, click on Full Image. If you want to specify a certain area, then choose With Mouse. In this case you'll be able to cordon off a rectangular section of the screen with the mouse. Holding down the left mouse button and dragging the mouse will alter the size of the selection window. To move the window, drag it with the bar at the top. Once you've got the window in position, click in the small square in the top left corner. Click on Use Previous Position.

The animation recording panel is



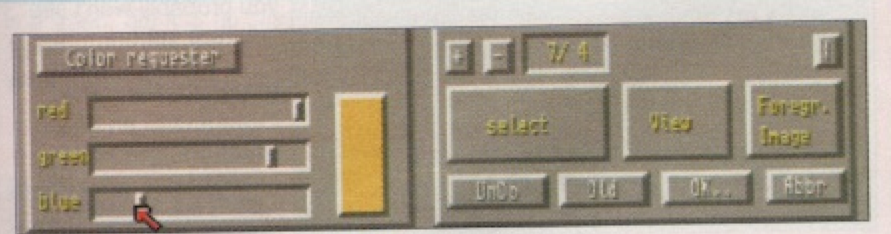
up next. Should you want to adjust the colour balance of either the foreground or the background image, click on Define Colour. Use the sliders to change the amounts of red, green and blue in each colour of the image. Move through the palette with the plus and minus buttons. Click OK when you're happy with it.

Finally, to render the animation,

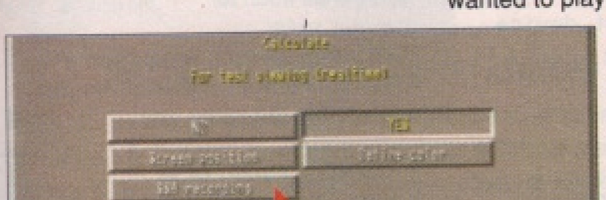


SOUND SAMPLES

After we'd crammed all the main programs onto Disk 78, there was just room for a couple of high quality samples from our resident sound expert Tony Horgan's expansive sample library. Both are in standard IFF format and can be used with OctaMED, Protracker, or in fact any Amiga sound program you could think of. To try them out, just double click their icons.



click the SSA Recording button. Your animation will now be rendered. When the rendering is done, you'll be returned to the main control panel.



PLAYING THE ANIMATION

Now you've got an animation in RAM, you can play it back in real-time. Click on the Control button on the Animation panel on the right of the screen. Click on the Play button, and you'll see the first frame of your animation. A click on the left mouse button will start the animation playing. Use the right mouse button to exit back to the main control panel.



To save your animation, click on the File option from the animation control panel. Insert a disk with plenty of space on it into DF0:. Click on the Parent button, then cancel the requestor, and click on the DF0: button. Click in the bottom box of the file requestor, and delete any text that may be there. Replace it with DF0:myanim. You can of course change "myanim" to the filename of your choice.

If you have enough available memory, you can chain one effect after another, to make a more complex animation. Just select a new effect, and it will be tagged onto the last one. The forward/backward direction buttons define whether the effect wipes onto or off the screen.

There are times when you might want to replay your animations from outside the main *Adorage* program. In this case, you'll need to use the *AdoPlay* program included on the disk. This must be used from CLI or the Shell. The usage is *AdoPlay* <filename> [options]. So, if you wanted to play an animation called My Anim from a disk in the internal drive, you would enter ADO-PLAYDF0:MYANIM. The options are M (start with the mouse), E (play once only), E ,x. (play x times), and D (delay). Add any of these options to the line after the filename.

OPTIONS

There are plenty of ways to tailor the Adorage program to your specific requirements. Clicking on the ADO Prefs button on the main control panel gives you access to the options screen. If you find that the display is slightly off to one side, use the Screen Position option to centre it up on your screen. Move the display around with the cursor keys.

You can choose whether you want your animations saved out as IFF files or SSA files. SSA files are incompatible with standard Amiga animation packages such as DPaint, but benefit from smoother playback with the AdoPlay player. Switching to FF will give you compatibility with any other Amiga animation package. A one second pause between each effect is the default, but you can change this to no delay, or increase the delay in steps of one second. Spring Intensity gives you control over the "springyness" of the effects.

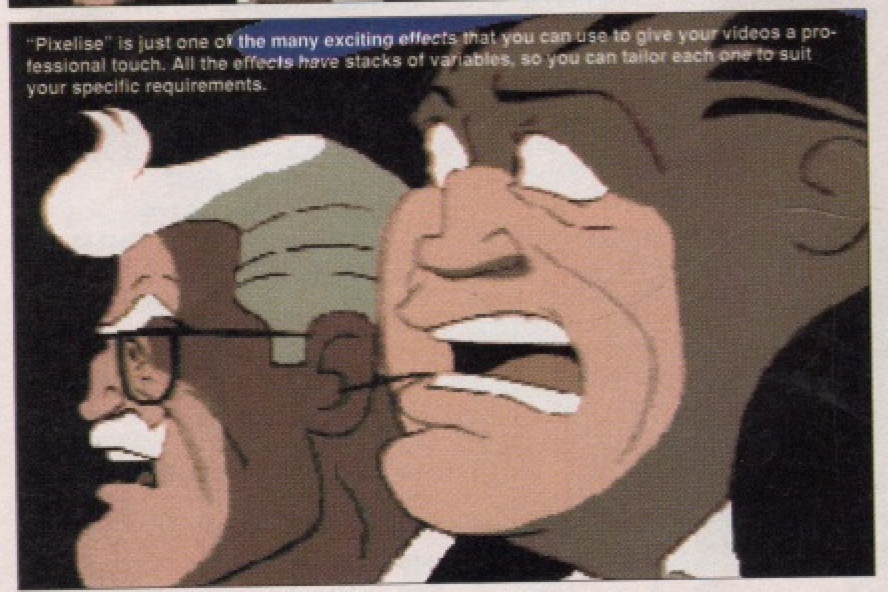
IMPORTANT NOTE

Because of the way in which the super smooth animation system works, *Adorage* can only work with interlaced images. If you want to use an image that is not interlaced, take it into a paint program such as *Deluxe Paint*, stretch it vertically so that it's double the height of the original, and then save it as an interlaced screen.









"Pixelise" is just one of the many exciting effects that you can use to give your videos a professional touch. All the effects have stacks of variables, so you can tailor each one to suit your specific requirements.

PARNET PROBLEMS?

Having been besieged by queries on *ParNet*, John Kennedy has finally relented and decided to give us the lowdown the most common *ParNet* problems.

ParNet is a program which can be used to link Amigas. It does this by creating a new Amiga device, rather like a floppy or hard disk. This device can then be used to access the memory and drives from the other computers.

ParNet will work on any Amiga, from an A4000 to a CDTV. We have successfully used it to interconnect an A4000, an A500, an A1200 and a CDTV, which just about covers every kickstart and workbench combination going. When the CD32 add-on becomes available, it should be possible to add this to the list.

PROBLEMS

However, that is not to say that getting *ParNet* working is particularly easy, it requires a good bit of experimentation before it works perfectly every time.

By the far the most common mistakes are made with the cable. So, check and re-check the special cable as per the instructions in the document that came with the *ParNet* software.

My set-up behaved erratically until it was discovered that one of the parallel port connects had to be screwed fully into place before the correct connections were made.

Also, ensure that you don't have a modem or any other peripheral connected to the serial port, as this can sometimes effect operation.

SOFTWARE

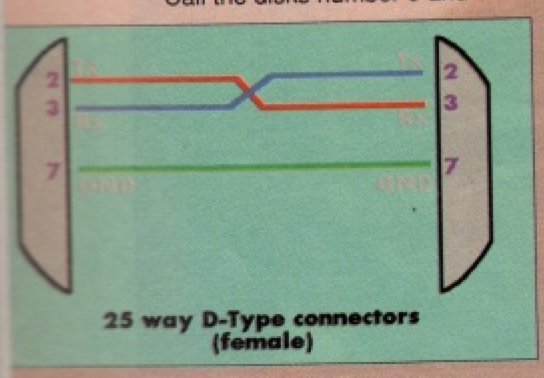
The purpose of the *ParNet* software is to create a new AmigaDOS device, and this requires a little work on your behalf.

1. BOOTABLE DISKS

To start with, you will need two bootable Workbench disks; one for each of your computers. You will need two different disks, you can't share one between the both of them.

These disks must be configured so that each machine has the relevant files, for example, a CDTV must have a 1.3 Workbench, and an A1200 must have a 3.0 Workbench.

Call the disks number 0 and 1 respectively, and write the number on them to avoid confusion. Rename the disks DISK0 and DISK1 using the Workbench rename command.



25 way D-Type connectors (female)

2. INSTALLING THE SOFTWARE

First of all, you will need to get the software all together in one place, and the RAM disk is a good a place as any. Open a Shell window, and copy the contents of the directory into the RAM: disk, with a command sequence like this:

```
copy "cu #74:parnet/" ram:
```

If you only have one floppy disk drive, you might need to enter RESIDENT COPY to avoid a lot of disk swopping.

You will need the double quotes because there is a space in the name of the floppy disk. You should now have all the relevant files in your RAM disk.

3. CREATING THE DISKS

Each bootable disk will need several files copied to it. For the first disk, open a SHELL and enter:

```
copy ram:parnet.device
disk0:devs/
copy ram:netpnet-handler
disk0:l/
copy ram:netpnet-server
disk0:c/
```

For the second disk, open a SHELL and enter:

```
copy ram:parnet.device
disk1:devs/
copy ram:netpnet-handler
disk1:l/
copy ram:netpnet-server
disk1:c/
```

4. ALTERING THE MOUNTLIST

Pre-Workbench 3.0 computers need a file called the Mountlist. This file contains information about the various drives and devices connected to the Amiga. Workbench 3.0 keeps this information in ROM.

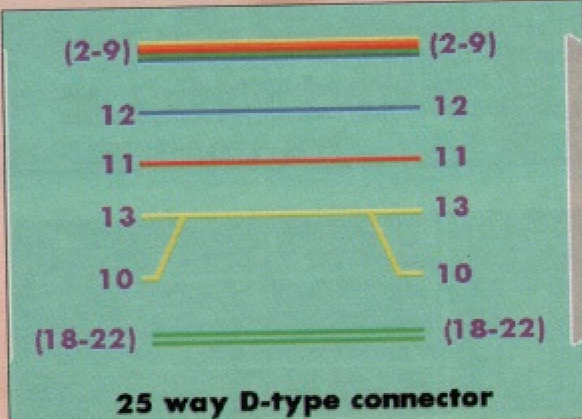
If your computer is pre-Workbench 3.0, you will need to edit the existing mountlist. You can do this with the Commodore text editor ED.

If your computer is using Workbench 3.0 you will need to add a new Mountlist. Again, ED can be used to do this.

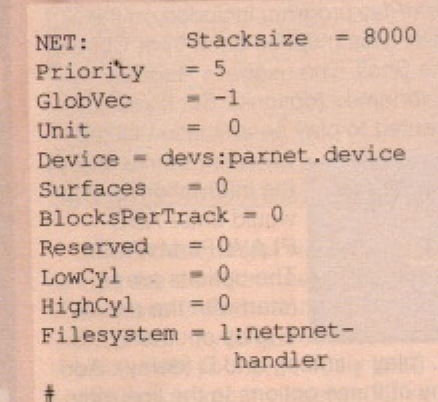
From the shell, enter the following list:

```
ed DISK0:devs/mountlist
```

and then add the following:



25 way D-type connector

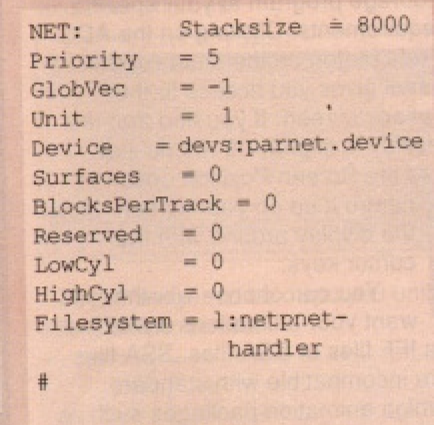


```
NET:         Stacksize  = 8000
Priority     = 5
GlobVec      = -1
Unit         =  0
Device = devs:parnet.device
Surfaces     = 0
BlocksPerTrack = 0
Reserved     = 0
LowCyl       = 0
HighCyl      = 0
Filesystem = l:netpnet-
                handler
#
```

Then do the same for DISK1:

```
ed DISK1:devs/mountlist
```

and add the following:



```
NET:         Stacksize  = 8000
Priority     = 5
GlobVec      = -1
Unit         =  1
Device    = devs:parnet.device
Surfaces     = 0
BlocksPerTrack = 0
Reserved     = 0
LowCyl       = 0
HighCyl      = 0
Filesystem = l:netpnet-
                handler
#
```

Notice how the UNIT number has changed to be 1.

5. STARTING THE COMPUTER LINK

Now switch the computers off, connect the cable and reboot them with their respective floppy disks. Open a SHELL window. Now, on the computer which has used DISK0, enter:

```
NETPNET-SERVER UNIT 1
```

This instructs the computer to run a server program for the UNIT 0 machine.

On the computer which has the DISK1 boot disk enter:

```
NETPNET-SERVER UNIT 0
```

You may wish to add these instructions to the user-startup sequence (or start upll files on Work bench 1.3 systems.)

The network should now be running, but you probably won't see anything yet.

6. USING THE LINK

Open a shell on one computer, and enter

```
cd net:
```

After a few seconds you should see a new icon appear. Still in the shell, enter:

```
cd net:df0
```

Now you can access the other machine's floppy disk by using commands such as

```
dir net:df0
```

Hard disks, printers, serial ports and RAM disks and CD-ROM drives can accessed in the same way.

7. USING A HARD DISK

If one or more of the computers has a hard disk, you'll need to copy the files into the relevant L:, C: and DEVS: drawer, and everything will still work in the same way.

8. APPLICATIONS

A common application of *ParNet* is to add a CD-ROM drive to another Amiga. For example, an A1200 can be linked to a CDTV. The A1200 can then access the CD-ROM drive by using device name cd0:.

EVEN MORE HELP...

Sometimes a particular system will misbehave for no good reason. Here is a list of things to check:

* Is the cable perfect?
* Are there any small programs running in the background?
* Has a good virus checking program been used?
* Are you trying to use the parallel/printer port?
* Is a modem connected?
* Have both machines been reset together?

Please read the supplied *ParNet* documentation carefully. If you are still having problems, don't despair! The PD Library 17 Bit sell preconfigured floppy disks – one for each machine. They also sell a disk which contains in-depth help on *ParNet*. Telephone them on (0924) 366982 for details.

A new update to *ParNet* is available, called ParNFS. This is fixes a few bugs and generally works faster. It requires Workbench 2.0 and up, but will work on a CDTV if you ask nicely and it's PD as well! CU



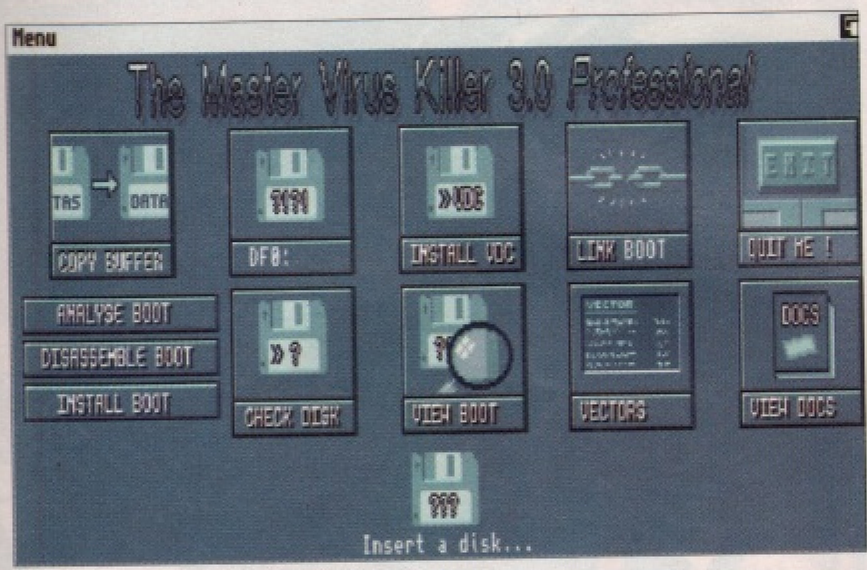
Award Winners
GOLD EDITION
Four outstanding classics, at one outstanding price!
Sensible SOCCER
92/93 SEASON -EDITION-
European Champions
JIMMY WHITE's 'WHIRLWIND' snooker
Elite Plus*
ZOOL
NINJA OF THE "NTH" DIMENSION
ELITE
Jimmy Whites Whirlwind Snooker
© 1991 Virgin Games Ltd.
Zool
©1992 Gremlin Graphics Software Ltd.
Sensible Soccer
©1992 Sensible Software. Published by Renegade.
Elite
©1993 Bell & Braben.
Elite plus programming © Chris Sawyer.
*Elite replaces Elite Plus on Amiga versions
SENSIBLE SOCCER
"Definitely, without the merest inkling of a suggestion of a shadow of a doubt, the best football game ever."
Amiga Power - 93%
JIMMY WHITES WHIRLWIND SNOOKER
Impressive as the 3D is, it's only one aspect of a game chockfull of brilliant features.
PC Review 9
ELITE-ELITE Plus
"Quite simply the most original game-play since the birth of computer entertainment. An all time classic.
PC Format.
ZOOL
"Zool conforms in every way to what you'd expect from a perfect cutesy platform game. And in doing so has become the perfect platform game... If you like all things cute and colourful, you'll love this, and if you aren't predisposed to platform games you'll still love it."
Amiga Format Gold 95%
empire
SOFTWARE



COVERDISK 78

Master Virus Killer 3 (MVK3) is a super program which can be used to detect and kill viruses, as well as offering protection against future infection. You can also use the program as a handy virus reference source as it contains lists of all known viruses and boot blocks.

MASTER VIRUS KILLER 3



Master Virus Killer 3 Professional is the long awaited commercial follow up to one of the Amiga world's most popular virus killers.

A virus is a small electronic program which has been created by malicious and sad people who have absolutely nothing worthwhile to do with their lives. A virus is always self-replicating and most are harmful to a greater or lesser degree. Some damage your disks as an inadvertent side effect of replication, whilst others are custom designed to destroy your data.

Fortunately, to date, all viruses are detectable, and can be eradicated with the right software tools. *Master Virus Killer 3* is the latest state-of-the-art virus killing tool.

AN OUNCE OF PREVENTION

There's an old saying that 'An ounce of prevention is better than a pound of cure'. And that was never more true than where viruses are concerned because, generally speaking, they're extremely easy to protect against. There are four simple measures that you can take to safeguard yourself.

1. Keep your disks write-protected at all times. Because viruses replicate themselves by writing to any unprotected disks, you can stop them dead in their tracks by simply ensuring that the write protect tab (the little black slider) is in the up position on all of your disks. As long as you can see through the hole, the disk is 100% safe from infection.

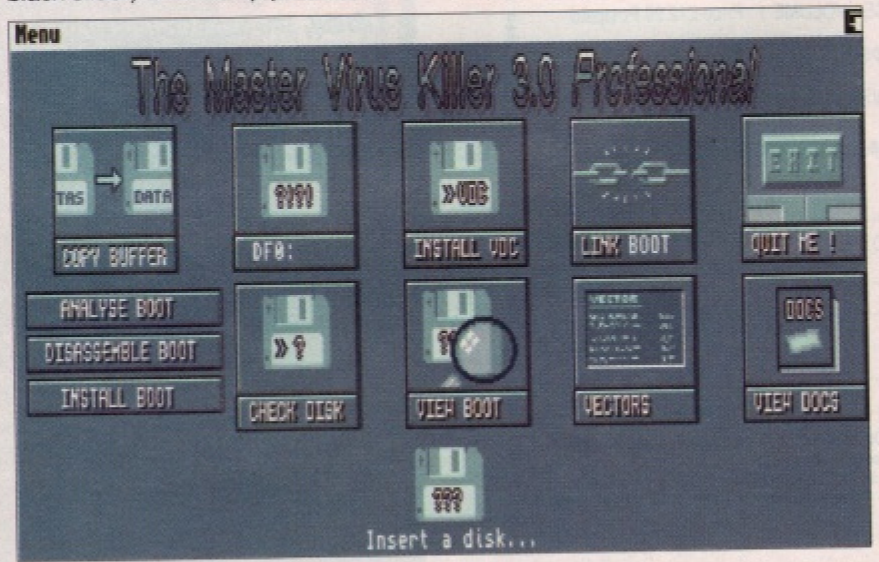
2. Turn the power off for at least 20 seconds before loading any program that involves unprotected disks. Obviously, there will be times when you'll need to unprotect some disks, in order to to save data to them. This is when they become vulnerable. If you've previously used an infected disk, chances are that the virus is now sitting in your computer's memory waiting to infect any other unprotected disks. Such viruses cannot remain alive in memory if you turn the power off for at least 20 seconds, so when you know you're going to use a program that requires unprotected disks, play it safe, and power down first.

3. Don't accept pirated software. The primary distributor of viruses is the pirate network. So, by accepting games from your mates, or buying software under the counter or from boot sales, not only do you hurt the industry, but you risk hurting your Amiga and its data too.

4. Always check any new disks thoroughly with one or more virus killers. Although commercial programs and cover disks are extremely unlikely to be infected, it has happened several times in the past. Furthermore, I've encountered many virus infected disks bought from reputable public domain companies too. So never assume that virus checking is someone else's job, after all, it's your data that's at risk!

DISCLAIMER

Neither CU AMIGA, nor any of its employees can be held responsible for any damage that the use of this program (correct or otherwise) may cause. *AVK 2* is perfectly safe when used carefully in knowledgeable hands, but it has the potential to damage your commercial software, especially games. Non-standard boot sectors used by on-disk protection can be read as viruses by the package. If in doubt, *do not* rewrite the boot sector. Read carefully.



Viruses will lurk in memory waiting to damage your disks. Master Virus' Vectors option lets you examine the relevant areas of RAM for suspicious looking code.



MVK's Info option lets you get basic information of any floppy disk.

INSTALLING THE PROGRAM

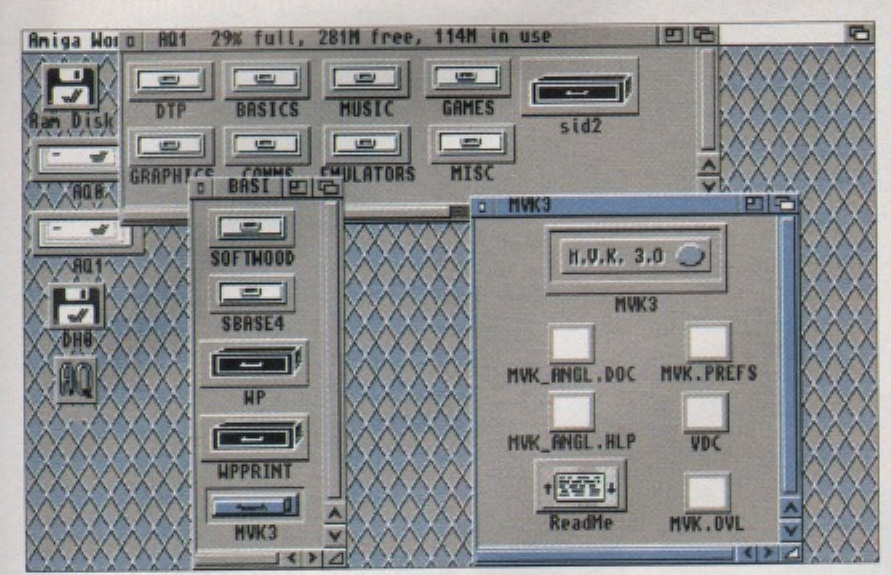
First of all, follow the instructions earlier on these pages for expanding the program onto its own disk.

If you don't have a hard drive, or you don't want to install the program to hard disk, you can load the program immediately from floppy disk. To do this, simply switch off your computer, place the floppy disk in the internal drive and turn the computer on again. After a short while, the title screen will appear. Click the right mouse button to continue, and the you'll see the Workbench screen which contains the *MVK* icon. Double click on this icon and a window will open containing the *MVK3* drawer. Now double click on this, and the *MVK3* icon it contains. The program will load fully and in less than a minute you'll be greeted by the blue-grey main program screen.

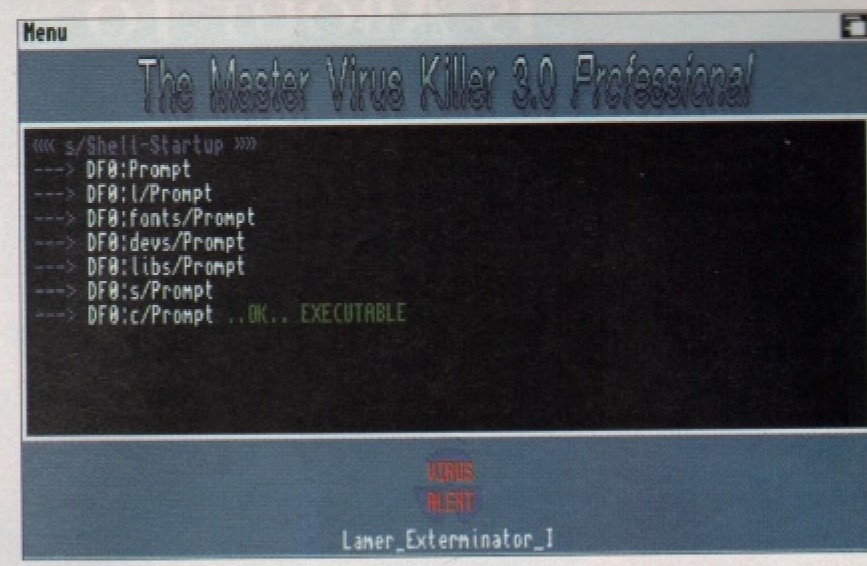
If you wish to install the program on to your hard drive, boot it in the normal way, then insert the *MVK3* disk and double click on the *MVK3* icon. Inside the window that opens, you'll see an icon labelled 'Install_MVK3'. Double click on that to begin the installation.

Simply follow the on-screen prompts, and the program will install Master Virus Killer for you automatically.

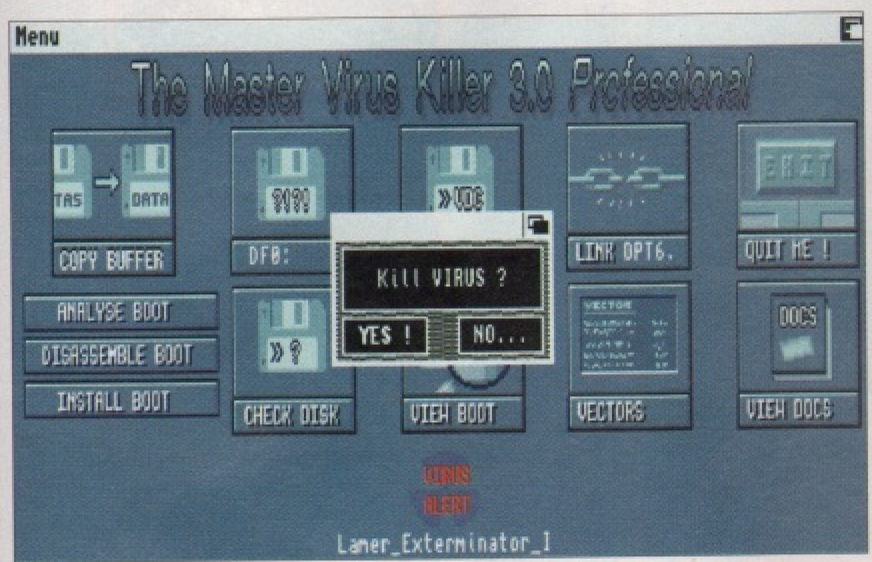
To load the program, simply go to the drawer where you told the program to install itself and you'll find an



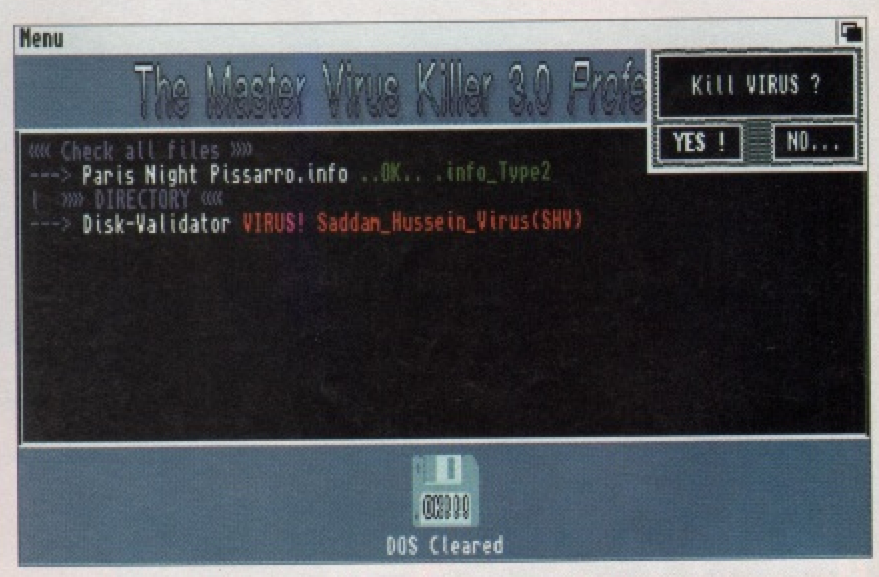
The program can be automatically installed onto your hard drive, from which it will load an awful lot faster.



The program can perform a complete check of every single file on an AmigaDOS disk.



If *MVK3* detects a virus it will sound a siren and show you a screen similar to this one.



The Saddam Validator virus is one of the nastier file viruses. To find it, you'll need to do more than the standard boot check.



You can see lists of all known boot blocks (safe and otherwise) by checking out the Lists menu at the top of the screen.

MVK3 drawer. Double click both that, and the *MVK3* icon within and the program will be loaded.

USING THE PROGRAM

Once the program has loaded, you'll see the blue-grey main screen. At its simplest, the *MVK3* will automatically check the boot block of any floppy disks inserted in any drives. If it detects a known virus, a warning noise will sound, and the words 'Virus Alert' will appear, followed by the name of the virus. A requester will then pop up asking if you want to kill the virus. If you click on Yes, then the virus will be eliminated. Tough if you choose, the virus will be left on the disk.

Please note* If one of your game disks becomes infected, killing the virus will often render the disk unusable. A general rule of thumb is that if the game loads even though the disk is infected with a virus, then killing the virus will not hurt the game. However, if the game no longer loads, chances are that the virus has already done its work and killing it will not restore the disk. However, it will at least, prevent the infection from spreading. Games which boot from their own version of Workbench, are usually more tolerant of viruses than games which include their own special loaders and which feature on-disk protection.

If a virus is not detected, the program can still return a great number of messages. These are designed to tell you more about the boot block of your disks, and will probably name the exact type of boot block that has been encountered.

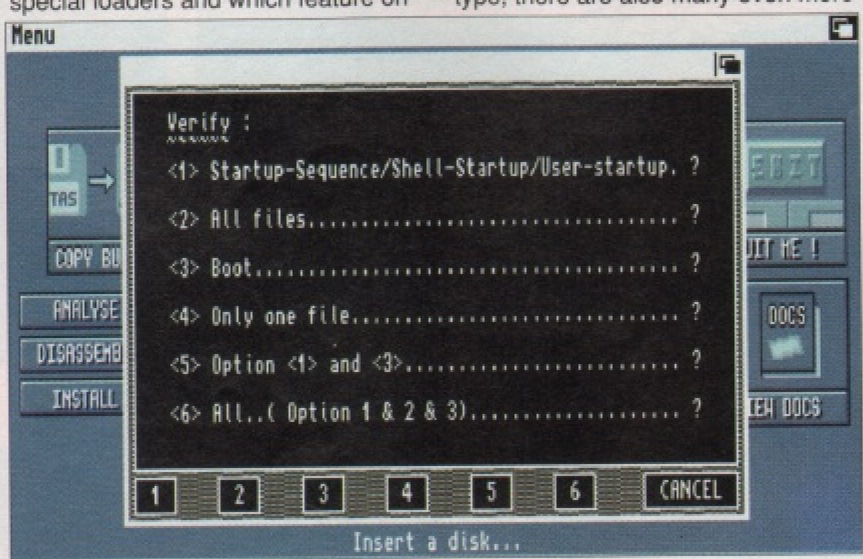
NON BOOT BLOCK VIRUSES

Unfortunately, although boot block viruses are by far the most common type, there are also many even more virulent ones, including Startup-sequence, link and file viruses. *MVK3* does not automatically check for these, although it's a simple matter to do so.

To perform a complete check for every possible virus type, click on the Link Icon. A requester will open showing the various virus search options. Select option 6 by clicking box 6 at the bottom of the screen. The requester will disappear.

To demonstrate that the option works, insert a DOS disk (the Workbench disk will do). You'll notice that the program automatically checks the disk's boot block as before. Now click the Check Disk icon. A new window will appear, and *MVK3* will start to list all of the files on the disk as it checks them. It will also OK them (as well as telling you what type of files they are) as it finds out that they're safe.

If a virus is detected, you will be offered the opportunity to kill it.



The Link Boot icon lets you decide exactly what type of viruses to look for. Although it takes much longer, I always use option six which looks for every type.

PREVENTATIVE MEASURES

MVK3 can also protect your disks against future infection. It does this by installing a special program called *Virus Detector Cleaner (VDC)*. This program adds itself to the startup-sequence of any disk it's installed on »

»

You can choose to look at the boot block of any suspect disks using the Viewboot option. Here you see the Mighty Byte Warrior virus as a boot block. Notice the tell tale letters "DASA" in the middle of the code. Programmers might prefer to view an assembly listing of the boot code. Fortunately, MVK3 can even provide that.

to, and when the disk is booted, the program activates itself, checking the computer's memory to ensure a virus isn't present. It will not allow viruses to infect any disks it's installed on to.

To install VDC onto a disk, first ensure that the disk isn't write protected, then insert it into any drive and click the VDC icon. The process only takes a few seconds.

When a disk containing VDC loads, early on in the loading sequence the screen will briefly flash blue and a bleep will be heard.

Warning! Do not install this program unless you're certain that it won't damage the programs on the disk. Generally it's safe to install on programs which load via any version of Workbench, and unsafe to use it on programs which have their own custom loaders, especially games.

IF YOUR DISK WON'T LOAD

If your coverdisk doesn't seem to work as it should, then follow this simple guideline. Firstly, remove all unnecessary peripherals, such as printers, modems etc. Follow the instructions on these pages to the letter, and if after that you find that the disk still doesn't work, call the PC Wise helpline on 0685 350505 between 1030 and 1230 Monday to Friday. If they advise you that the disk is faulty, then pop it in an envelope with a covering letter explaining the problems to:

CU DISK RETURNS, PC WISE,
DOWLAIS TOP BUSINESS PARK,
MERTHYR TYDFIL, MID GLAMORGAN
CF46 2YY.

Please include 28p per disk to cover postage and packing (55p for overseas readers). Your disk will be tested and a new, working one dispatched to you as soon as possible. Please note that neither we nor PC Wise accept responsibility for any disk damaged due to negligence on the part of the user.

DISK VIRUSES

We try to ensure that viruses do not get on your disks. We always have the most advanced virus checkers available when the disk is compiled and every program goes through rigorous testing. However, we can accept no responsibility for possible damage incurred by viruses which have escaped our attention.

TASK FORCE



A well-drilled team of crack commandos are under your control from start to finish. Keeping them in a star formation might look neat, but it's not the best tactical move!

Task Force is a strategy game for one player. It's very much in the vein of titles such as Breach 2 and Dragon Force. There are a number of missions, but all involve you guiding a team of 5 soldiers around the landscape, shooting or dodging the enemy.

Once the game has loaded, you'll find yourself at the main options screen. There are six options:

Play = Start a new game using the current settings
Difficulty = Easy, Normal, Hard or Mega.
Music = On or off
Seed Taskforce = Allows you to enter a ten letter initial value which determines many of the pseudo-random events in the game, including your team's power, and that of the opposition. This allows you to play the same missions under a variety of conditions. The same ten letters produce the same conditions.
Centre Play = On or off. Tells the computer to move the map so that the current character is at its centre.
Instructions = Find out more about the game.



As Monty probably once said, "you can have all the guns in the world, but if you don't organise your troops properly, you might get blown up", so heed those wise words, and plan your assault carefully.

STARTING OUT

Once you've selected Play, you'll go to the mission selection screen where you can select one of the eight missions to attempt.Clicking the next and previous buttons at the bottom of the screen allows you to view the different missions. The Map button will display the map associated with the current mission, whilst the Orders button will re-display the mission text.

When you've chosen a mission, click the red Next button at the top of the screen to go to the team supply screen, where you will choose the equipment that your team will carry.

The team members can be selected by clicking on their icons at the top left of the screen, whilst equipment can be chosen from the list at the right by clicking on the required item, then on the Equip button.

Each team member has a random, but strictly limited amount of cash, indicated by the number next to the money bag icon. Naturally each piece of equipment has a price attached to it, and once your money's gone, that's it.

When your ready to begin your mission, click Next again.

PLAYING THE GAME

The game is played in alternating movement and combat rounds. You use the movement rounds to position your troops and the combat round to do any fighting that needs to be done.

Each member of your team has a certain movement allowance, which is different from character to character. According to their choice of weapons, they also have various combat ranges.

The game starts in movement mode. The character whose turn it is to move, will flash briefly. Using either the keyboard cursor keys, or the mouse and the green on-screen arrows, move the character wherever you want them to go.

As soon as they run out of movement points, their turn will be over and the next character will flash. If you want to end a character's turn before they've used all of their points, click on the Pass button.

You can scroll around the map by simply moving the mouse to the edges of the screen.

Once everyone's moved, you will go straight into the Fire phase. This is where you get to shoot at people if you want. Start by selecting a weapon from the selection shown below the current character's picture at the left of the screen. You must then select a target. Move the cursor on top of the target using he mouse. If the target is in range, a square will appear around them. To shoot, click the left button.

Every shot you or the enemy fires takes into account the distance to the target, the type of weapon, the shooter's accuracy and a small random factor. This means that just because you appear to score a hit, doesn't mean that the victim necessarily dies.



Each man can be sent off on his own mini-mission, so you can get up to all sorts of war filmjapery, such as shouting "cover me, I'm going in!" as you race up to the entrance of the enemy HQ.

The enemy also has a variety of logic modes which determines the way that they will react to your presence. Reactions include standing their ground, running away and running towards you returning fire.

The game is over when you either achieve your mission or run out of squad members.

INFO

Task Force was written by Mark Sheeky who is 21 years old and lives in Crewe. Mark has entered just about every CU competition in history. In fact he even managed to win our Tune of the Month competition a couple of years back. He's been regularly producing shareware and public domain games, and he writes in 100% assembly language.

Mark wrote all the code, designed the graphics and wrote the music for Task Force.

If you write software and would like to see it published, and even perhaps earn a little bit of money into the bargain, send your contributions to:

Andy Leaning, Coverdisk Submissions, CU Amiga, Priory Court, 30-32 Farringdon Lane, London, EC1R 3AU.



BLACK LEGEND SPECIAL OFFERS

If you want to use your CRAFT for AMOS coverdisk to its full and maximum potential and unleash the massive powers within, why not purchase the original program's manual at the special price of just £9.99?

CRAFT will give AMOS possibilities and commands that up until now you could only have dreamed of; it will shortly become an integral extension to AMOS and you'll wonder how you ever managed without it!

Here's a mere selection of the doors CRAFT will open for both beginner and expert with its over 160 new instruction and functions: • Colour-handling including multi-palette banks and colour spreading. • Requesters. • Audio system for Sound and ProTracker music. • Fractals (both Julia and Mandlebrot) at a speed previously exclusive to Assembler. • Turtle graphics.

The comprehensively written 65-page manual will give you all the information needed on each command and include many useful examples.

The manual is easy to use, thanks to its good layout and the inclusion of a most helpful glossary.

The handbook is written both for beginners and experienced users alike and also offers interesting background information on subjects such as Mandlebrot and Julia fractals.

If you want to get the most out of your coverdisk (and AMOS), then there's no time to waste – fill out the coupon below and return it without delay!

OFFER TWO
CRAFT FOR AMOS
COMPLETE BOX & FREE
GAME!
ONLY £19.99

We have another special offer for CU AMIGA AMOS enthusiasts... Now that you have read about and been able to test CRAFT for AMOS, we can offer you the complete boxed version for just £19.99! (It usually retails in the shops for £25.99.) And this includes a free budget game from the Legend label, valued at £9.99!

You get the complete boxed version of CRAFT for AMOS, including disks and handbooks; plus one of these highly playable brand-new titles; *Megamotion, Hyperion, Summer Camp, Winter Camp, Hungary For Fun* or *Creatures* (worth £9.99 each) for free!

for AMOS

CUT OUT THE COUPON AND SEND TO:

CRAFT OFFERS, Black Legend UK Ltd, Fulling Mill Barn, Mill Lane, Welwyn, Hertfordshire AL6 9NP.

Offer One: CRAFT for AMOS Manual £9.99

Offer Two: CRAFT for AMOS Complete Pack plus game £19.99

Please add £1.50 for postage and packing.

I enclose a cheque for £______ made payable to Black Legend UK Ltd.

Please charge my Access/Visa card:

Name On Credit Card: ________

Card No:................Expiry Date:..........

(Please supply credit card holder's address if different from the address below.)

My Name:..........

Address:..........

Post Code:..........

Date and signature:..........

AMIGA
All Models



COVERDISK 79
KINGS QUEST VI
PLAYABLE DEMO

Not content with bringing you the first review of Sierra's new adventure, we're even giving away a complete demo of the game. Steve Keen guides you through this fab game.

QUICKSTART GUIDE TO LOADING DISK 79

First the completely obvious stuff. Not everyone's a closet boffin or polyester clad Clive Sinclair you know. Here's the bare basics you need to know to get this month's incredible cover piece up and running like a diarrheic greyhound. Follow our step by step, fool proof and fancy free disk routine and you'll have no problem jumping straight into the action.
1 It couldn't be simpler. Firstly write protect the disk.
2 Now place your protected coverdisk in the drive and turn on your computer. The programme will boot up automatically.
3 Lastly, using the F keys, select the game that you want to play and away you go!

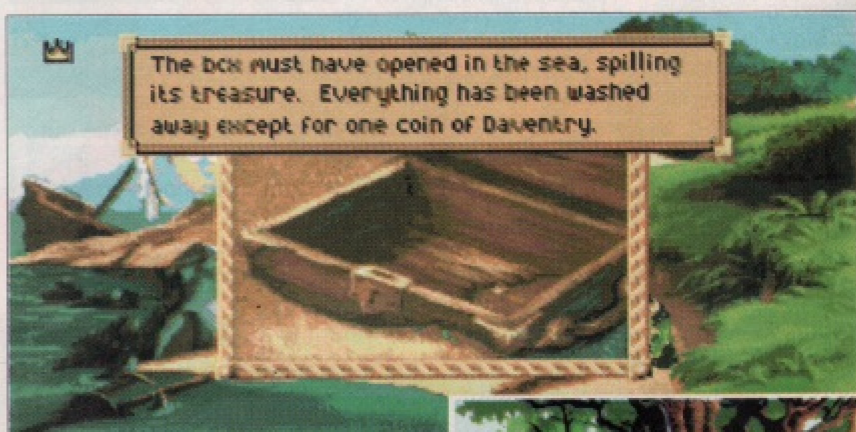
This months fantastic playable demo is Sierra's latest graphic adventure, *Kings Quest VI*. It's just a small taste of what's to come when the full game is released, but what an appetiser this is! The final game is a whopping size, due to weigh in on no less than nine disks, so space on this month's cover disk is tighter than an elephant's under-pants! Enough idle chat though, why not plug in, sit back and let the adventure begin.

First, let me fill you in quickly on the background details. The game's plot is thicker than a whale omelet, but for now all you need to know is that the prince in question is paying a visit to his would-be girlfriend, Princess Cassima. While on the way the ship he's travelling in is struck by a ferocious storm and, as the gargan-tuan waves lick the deck, the hopeful young lad is knocked unconscious.

Fortunately for you that's not the end of the tale (it would be a bit of a swindle if it was) and an amazing adventure awaits the Prince on the four islands belonging his royal beau. The puzzles and path the game follows is bound to prove prob-lematic for a small section of our non adventuring readers, so with the help of those excellent programming bods at Revolution, we have put together this complete walk through guide to the demo. So close your eyes if you don't want any help... no peeking now!

Once you've finally completed the demo, turn to page 73 for the full, exclusive, review of this mon-ster game! So, what are you waiting for people? Get stuck in!


A quick dig in the sand reveals buried treasure.




Follow the yellow brick road.

CONTROLLING THE BEAST

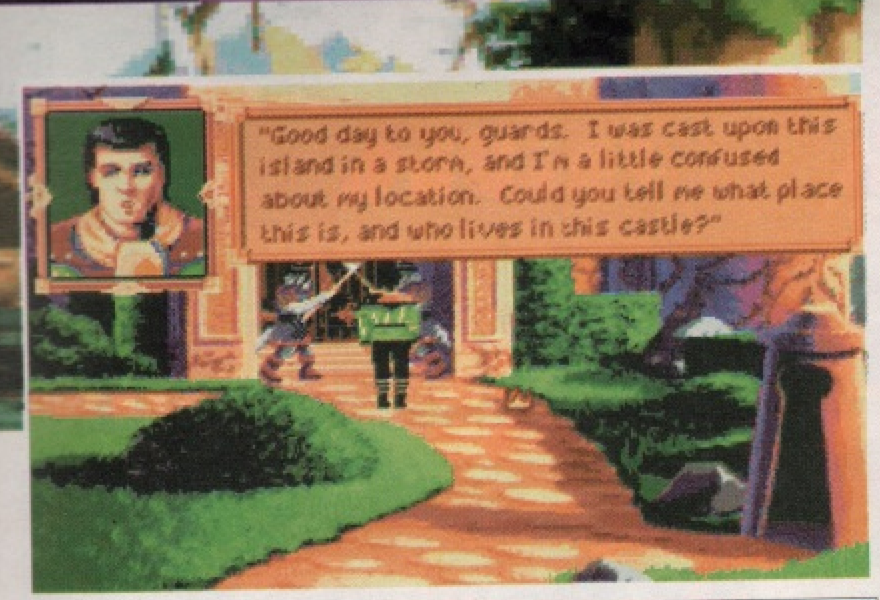
Here's a quick rundown of the simple controls. The whole game is mouse led. You'll notice that the cursor con-stantly changes shape. These are the different actions that you can per-form. Walk, talk, touch and look. The fifth icon is reserved for any objects that you pick up, so you can always have one ready in your hand. The icons can be scrolled through by clicking on the right mouse button. To activate an action simply click on the left button. The same can be achieved through a menu bar that's hidden at the top of the screen. There's also a save and load game icon and an inventory chest that shows you what you've picked up.


You start off life on the beach surrounded by lots of wreckage.

KINGS QUEST VI DEMO SOLUTION

Please note that specific flags have been preset to allow the player to trigger certain sequences that would otherwise not be available.

Occasionally, text will appear referring to events that the player will not have experienced in this demo. »



Don't know where you are? Why not ask the bouncers?



The object of your desire.

» Prince Alexander regains consciousness on a beautiful sandy beach. The ship-wrecked galleon lies behind the cove in the distance. Stumbling to his feet he gives the surrounding bay his full attention.

Move over towards the left-hand side of the screen and look for a glittering ring in the sand. Pick up the ring. Move over to the right-hand side of the screen and move the wooden plank. Underneath it you'll find a wooden box.

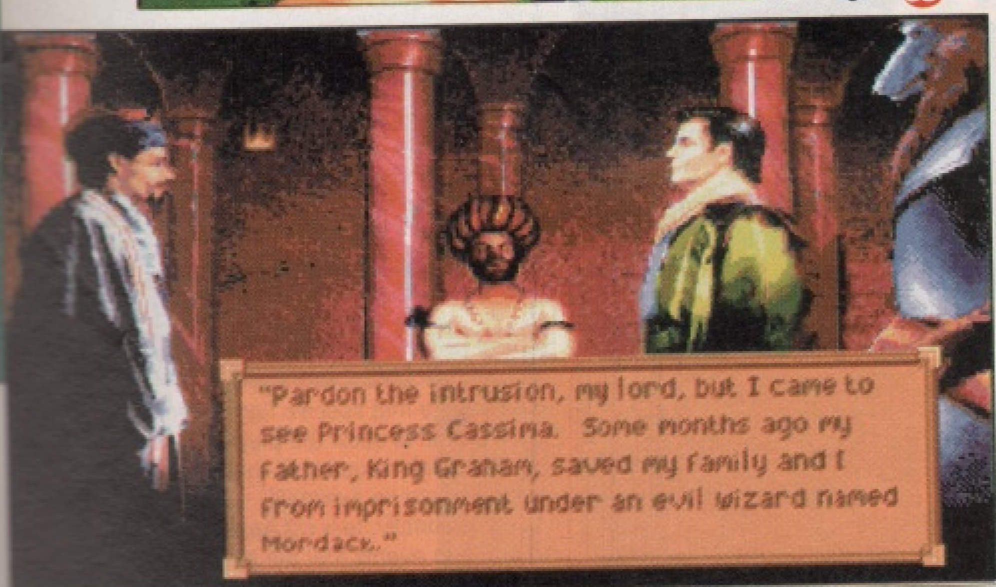
Open the box and remove the coin. Leave the beach and take the right hand path towards the castle. Approach the castle entrance and engage the guard dogs in conversation. Try giving them the coin to let you in. Show the guard dogs the ring that you found on the beach. The chief guard dog will come out and escort you in.

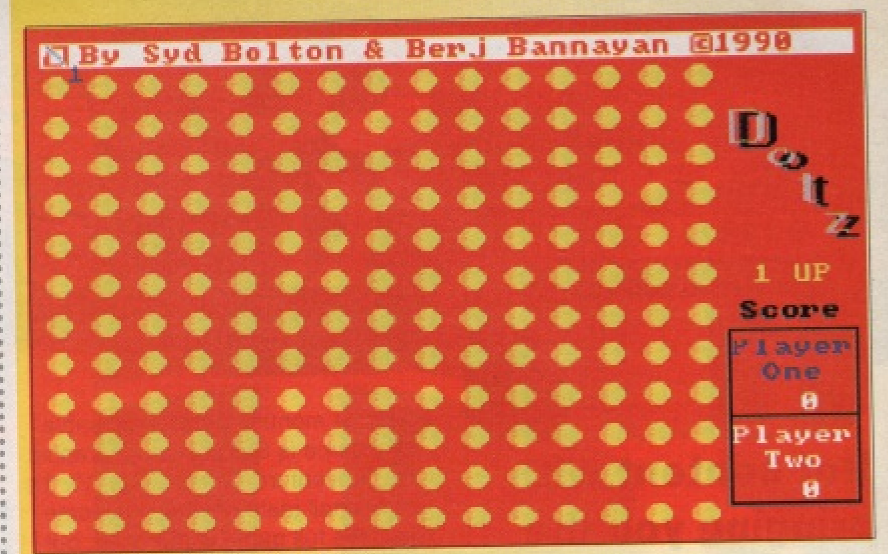
Once inside you'll be presented to the Vizier. Talk to him and learn about the fate of Cassima's parents. Learn about the Vizier's plans for the wedding.

Return to the tree and diverging paths screen and you'll see that a bird has appeared. Give the ring to the bird. Pick up the ribbon that the bird brings back from Cassima. Return to the shore where you started the game and wade as far as you can into the water. This ends the demo and, if you wish, you can start this brilliant demonstration all over again.

The menu bar in action.







Remember having to draw all of these.

DOTZ

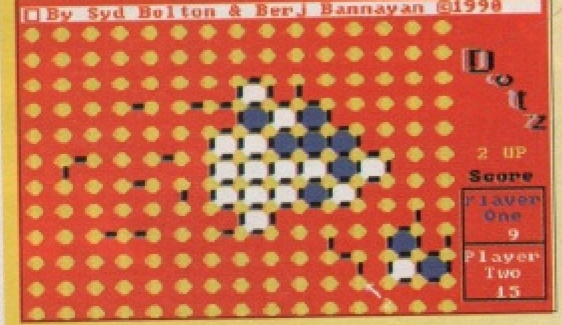
Dotz is one of those games that's been re-worked countless times over the years, and with every re-working of the formula, so a different name is born. In the past it's been called Squares, Lines, Pavings and we've even heard of a version called Cubicks! But, as soon as you get a glimpse of the screen shots on this page, you'll know that leopards don't change their dotz!

Dotz is a classic classroom game that's been brought back to life with a smashing Amiga version. Although many of us will have played it on graph paper, with a pen or pencil, the computer version is no different. Oh, apart from the fact that you don't have to waste your time scrawling out all those dots on scraps of paper anymore, they're all drawn by your Amiga.

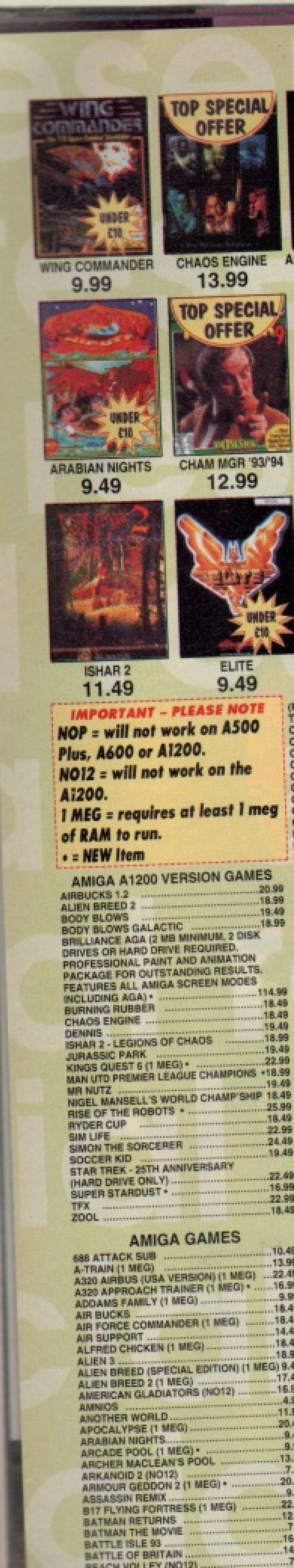
Most adults will be familiar with *Dotz* and for those of you who've never seen the game before you'll be relieved to know that there's nothing to playing it but hours of fun. The controls are rudimentary to say the least, but then again, if they weren't the game wouldn't have survived in the classroom all these years!

Dotz is set up for two players only. Two friends take it in turns to lay down a single line joining two dots. Just place the mouse cursor between the two yellow dots where you want to position a line and then press the left mouse button. Then pass the mouse over to your opponent for his turn. The ultimate aim is to form squares which are filled in and colour coded according to who completed the last section to form the cube. As long as you form squares you can keep having goes. But there's no point in trying to cheat your way through by taking more turns than you're entitled to – a tiny number 1 or 2 appears above the mouse pointer to keep you up to date with whose turn it is.

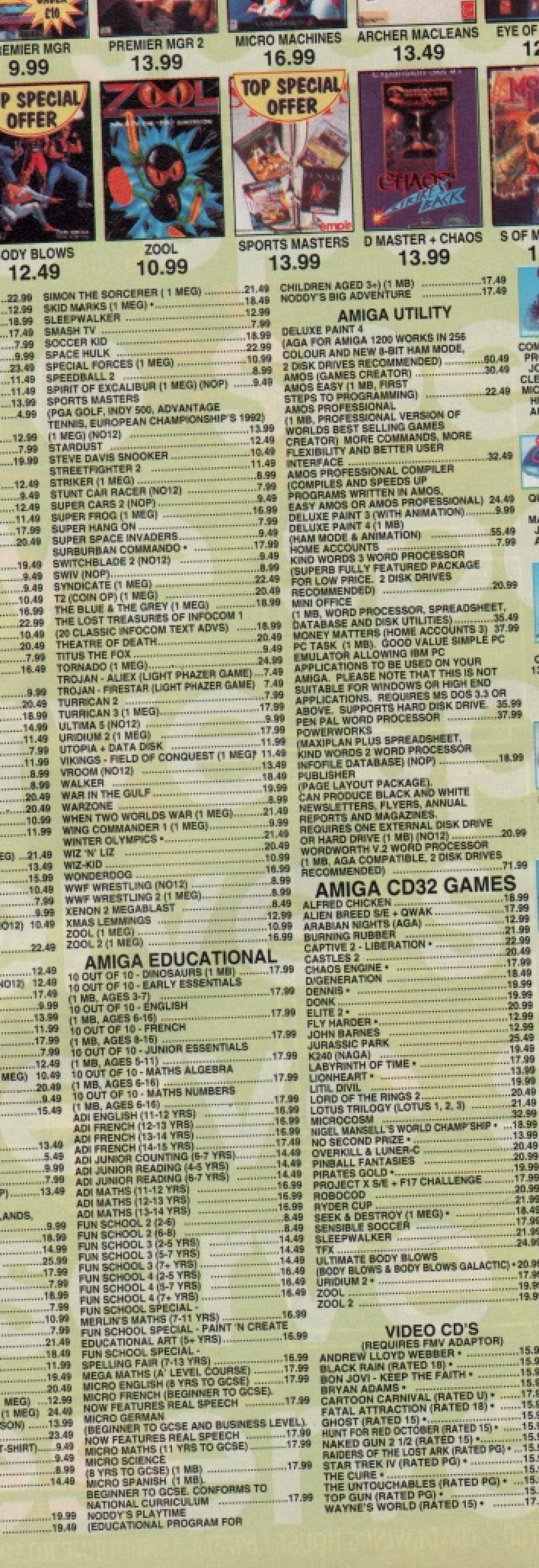
The game ends when the grid is completely full and there is no room left to make any more squares. The player with the most squares filled in is declared the winner. *Dotz* is a simple but fun trip down memory lane.




And so it was that during the age of Ragnarok, Heimdall, beloved of the Gods, came to Earth from Valhalla to find the pieces of a Sacred Amulet - the power of which would banish the evil Loki from the viking lands.
It came to pass that Heimdall's quest was revealed in the mighty saga that is....
Heimdall 2
CORE
DESIGN LIMITED
COMMODORE AMIGA (1 MEG ONLY)
A1200 ENHANCED VERSION
AMIGA CD32
CORE DESIGN LIMITED TRADEWINDS HOUSE 69/71A ASHBOURNE ROAD DERBY DE22 3FS TEL: (0332) 297797 FAX:(0332) 381551













WING COMMANDER 9.99
TOP SPECIAL OFFER — CHAOS ENGINE 13.99
ALIEN BREED 2 (A1200) 18.99
TOP SPECIAL OFFER — STREETFIGHTER 2 11.49
ELITE 2 19.99
MORTAL KOMBAT 20.49
TOP SPECIAL OFFER — LEMMINGS 2 13.99
PINBALL DREAMS 13.49
TOP SPECIAL OFFER — SPEEDBALL 2 8.99
TOP SPECIAL OFFER — OVERDRIVE 11.99
REACH FT SKIES 14.99

ARABIAN NIGHTS 9.49
TOP SPECIAL OFFER — CHAM MGR '93/'94 12.99
ZOOL 2 16.99
SENSI SOCCER '92/'93 13.99
CANNON FODDER 20.49
PREMIER MGR 9.99
TOP SPECIAL OFFER — PREMIER MGR 2 13.99
MICRO MACHINES 16.99
ARCHER MACLEANS 13.49
TOP SPECIAL OFFER — EYE OF THE BEHO 12.49
JIMMY WHITES 13.49

ISHAR 2 11.49
ELITE 9.49
A-TRAIN 13.99
COMBAT CLASSICS 13.99
JURASSIC PARK 17.99
TOP SPECIAL OFFER — BODY BLOWS 12.49
ZOOL 10.99
TOP SPECIAL OFFER — SPORTS MASTERS 13.99
D MASTER + CHAOS 13.99
S OF MONKEY ISL 12.99
LS LARRY 1 11.49

UNDER £10

IMPORTANT – PLEASE NOTE
NOP = will not work on A500 Plus, A600 or A1200.
NO12 = will not work on the A1200.
1 MEG = requires at least 1 meg of RAM to run.
• = NEW Item

AMIGA A1200 VERSION GAMES

AIRBUCKS 1.2 ..... 20.99
ALIEN BREED 2 ..... 18.99
BODY BLOWS 19.49
BODY BLOWS GALACTIC 18.99
BRILLIANCE AGA (2 MB MINIMUM, 2 DISK DRIVES OR HARD DRIVE REQUIRED. PROFESSIONAL PAINT AND ANIMATION PACKAGE FOR OUTSTANDING RESULTS. FEATURES ALL AMIGA SCREEN MODES INCLUDING AGA) • 114.99
BURNING RUBBER 18.49
CHAOS ENGINE 18.49
DENNIS 19.49
ISHAR 2 - LEGIONS OF CHAOS 18.99
JURASSIC PARK 19.49
KINGS QUEST 6 (1 MEG) • 22.99
MAN UTD PREMIER LEAGUE CHAMPIONS • 18.99
MR NUTZ 19.49
NIGEL MANSELL'S WORLD CHAMP'SHIP 18.49
RISE OF THE ROBOTS • 25.99
RYDER CUP 18.49
SIM LIFE 22.99
SIMON THE SORCERER 24.49
SOCCER KID 19.49
STAR TREK - 25TH ANNIVERSARY (HARD DRIVE ONLY) 22.49
SUPER STARDUST • 16.99
TFX 22.99
ZOOL 18.49

AMIGA GAMES

688 ATTACK SUB 10.49
A-TRAIN (1 MEG) 13.99
A320 AIRBUS (USA VERSION) (1 MEG) 22.49
A320 APPROACH TRAINER (1 MEG) • 16.99
ADDAMS FAMILY (1 MEG) 9.99
AIR BUCKS 18.49
AIR FORCE COMMANDER (1 MEG) 18.49
AIR SUPPORT 14.49
ALFRED CHICKEN (1 MEG) 18.49
ALIEN 3 ..... 18.99
ALIEN BREED (SPECIAL EDITION) (1 MEG) 9.49
ALIEN BREED 2 (1 MEG) 17.49
AMERICAN GLADIATORS (NO12) 16.99
AMNIOS 4.99
ANOTHER WORLD 11.99
APOCALYPSE (1 MEG) 20.49
ARABIAN NIGHTS 9.49
ARCADE POOL (1 MEG) • 9.99
ARCHER MACLEAN'S POOL 13.49
ARKANOID 2 (NO12) 7.99
ARMOUR GEDDON 2 (1 MEG) • 20.49
ASSASSIN REMIX 9.99
B17 FLYING FORTRESS (1 MEG) 22.99
BATMAN RETURNS 12.49
BATMAN THE MOVIE 7.99
BATTLE ISLE 93 ..... 16.49
BATTLE OF BRITAIN 14.49
BEACH VOLLEY (NO12) 7.99
BENEATH THE STEEL SKY (1 MEG) 23.49
BENEFACTOR (1 MEG) 20.49
BILL'S TOMATO GAME 17.49
BIRDS OF PREY (1 MEG) (NO12) 11.99
BLACK CRYPT (1 MEG) 11.49
BLADE OF DESTINY (1 MEG) 25.49
BLASTAR (1 MEG) 16.99
BLUES BROTHERS 7.49
BLUES BROTHERS JUKEBOX ADVENTURE • 17.49
BODY BLOWS (1 MEG) 12.49
BODY BLOWS GALACTIC (1 MEG) 17.49
BREACH 3 (1 MEG) • 22.49
BRIAN THE LION 17.99
BUBBA 'N' STIX 16.99
BURNING RUBBER 17.99
CAESER DELUXE 18.49
CAMPAIGN (1 MEG) 22.49
CAMPAIGN 2 (1 MEG) 22.99
CANNON FODDER (1 MEG) 20.49
CARDIACS 9.49
CHAMPIONSHIP MANAGER 93 UPDATE DISK (1 MEG) 9.49
CHAMPIONSHIP MANAGER 93/94 (1 MEG) 12.99
CHAMPIONSHIP MANAGER COLLECTION (93/94 + UPDATE DISK) (1 MEG) • 20.49
CHAMPIONSHIP MANAGER ITALIA 93/94 (1 MEG) • 18.49
CHAOS ENGINE 13.99
CIVILISATION (1 MEG) 23.49
COMBAT AIR PATROL 20.49
COMBAT CLASSICS (F15 STRIKE EAGLE 2, 688 ATTACK SUB, TEAM YANKEE) (1 MEG) (NO12) 13.99
COOL SPOT 20.49
CORPORATION 8.99
CORRUPTION (M/SCROLLS) 7.49
COSMIC SPACEHEAD (1 MEG) • 16.99
CRUISE FOR A CORPSE 11.99
CRYSTAL KINGDOM DIZZY 9.49
CURSE OF ENCHANTIA (1 MEG) 11.99
CYBERPUNK 16.99
CYBERSPACE (1 MEG) 22.99
DARKSEED (1 MEG) 21.49
DENNIS 18.49
DESERT STRIKE (1 MEG) 19.49
DETROIT (1 MEG) • 21.49
DISPOSABLE HERO 16.99
DIZZY'S EXCELLENT ADVENTURE 16.49
DOGFIGHT (1 MEG) 22.99
DONK (1 MEG) 18.49
DRACULA (1 MEG) 20.49
DREAMLANDS (TRANSARTICA, STORM MASTER, ISHAR) (1 MEG) 18.99
DREAMWEB (1 MEG) 22.99
DUNE 2 - BATTLE FOR ARRAKIS (1 MEG) 20.49
DUNGEON MASTER & CHAOS STRIKES BACK (1 MEG) 13.99
DYNA BLASTERS (NO12) 20.49
ELITE 9.49
ELITE 2 (FRONTIER) (1 MEG) 19.99
ESCAPE FROM THE PLANET OF THE ROBOT MONSTERS (NO12) 7.99
EUROPEAN CHAMPIONS (1 MEG) 17.99
EYE OF THE BEHOLDER (SSI) (1 MEG) 12.49
EYE OF THE BEHOLDER 2 (1 MEG) 24.49
F1 (DOMARK) (1 MEG) 17.99
F117A STEALTH FIGHTER 2.0 (1 MEG) 22.99
F15 STRIKE EAGLE 2 (1 MEG) 12.49
F17 CHALLENGE 10.49
F19 STEALTH FIGHTER (NOP) 7.99
F29 RETALIATOR (1 MEG) 10.49
FABLES & FIENDS - LEGEND OF KYRANDIA (NO12) (1 MEG) 23.99
FACE OFF ICE HOCKEY (NO12) 9.49
FANTASTIC WORLDS (REALMS, PIRATES, MEGA LO MANIA, POPULOUS, WONDERLAND) (1 MEG) (NO12) 23.49
FIRST DIVISION MANAGER 7.99
FIRST SAMURAI + MEGA LO MANIA (NO12) ... 13.99
FLAMES OF FREEDOM (MIDWINTER 2) ... 10.99
FLASHBACK (1 MEG) 20.99
FORMULA 1 GRAND PRIX 22.99
FUTURE WARS (NO12) 10.49
G2 (1 MEG) 17.99
GEAR WORKS 15.49
GENESIA (1 MEG) 20.49
GLOBDULE 20.49
GOAL 14.49
GOBLIINS 2 ..... 18.49
GRAHAM GOOCH DATA DISK 12.99
GRAHAM GOOCH WORLD CLASS CRICKET (1 MEG) 18.49
GRAHAM TAYLOR'S SOCCER MANAGER (1 MEG) 9.49
GRAND PRIX CIRCUIT 9.49
GUNSHIP 2000 (1 MEG) 22.99
HEAD OVER HEELS 7.99
HEROQUEST 2 - THE LEGACY OF SORASIL (1 MEG) 16.99
HILL STREET BLUES (NO12) 9.49
HIRED GUNS (1 MEG) 22.49
HISTORYLINE 1914-18 (1 MEG) 22.99
HOLLYWOOD COLLECTION (ROBOCOP, GHOSTBUSTERS 2, INDIANA JONES ACTION, BATMAN THE MOVIE) D/S (NOP) 9.99
HUMANS 2 (1 MEG) 18.99
HUMANS DATA DISK (NO12) 18.49
HUNTER (NO12) 7.99
IK+ 7.99
IMMORTAL (NO12) 10.49
INDIANA JONES 2 ACTION (FATE OF ATLANTIS) 17.99
INDIANA JONES ACTION 7.99
INDIANA JONES ADVENTURE 11.49
INDIANA JONES FATE OF ATLANTIS ADVENTURE (1 MEG) 24.49
INNOCENT (1 MEG) 22.99
INTERNATIONAL RUGBY CHALLENGE 7.99
ISHAR - LEGEND OF THE FORTRESS (1 MEG) 13.49
ISHAR 2 - LEGIONS OF CHAOS (1 MEG) ... 11.49
IT CAME FROM THE DESERT PLUS ANT HEADS DATA DISK (1 MEG) 14.99
JACK NICKLAUS GOLF 6.49
JAGUAR XJ220 (1 MEG) 9.49
JAMES POND 8.49
JET STRIKE • 17.99
JIMMY WHITES SNOOKER (NO12) 13.49
JINXTER (M/SCROLLS) 4.49
JOHN MADDEN'S (U.S) FOOTBALL 11.49
JURASSIC PARK (1 MEG) 17.99
K240 (UTOPIA 2) (1 MEG) 18.49
KEVIN KEEGAN'S PLAYER MANAGER (1 MEG) 19.99
KGB 20.49
KINGMAKER (1 MEG) 23.49
KINGS QUEST 1 ..... 11.49
KINGS QUEST 6 (1 MEG) 22.99
KNIGHTS OF THE SKY (1 MEG) 12.99
KRUSTY'S SUPER FUN HOUSE 18.99
LAMBORGHINI • 17.49
LAST NINJA 2 (NO12) 7.99
LEGEND (WORLD OF LEGEND) 9.99
LEGENDS OF VALOUR (1 MEG) (NO12) 23.49
LEISURE SUIT LARRY 1 (1 MEG) 11.49
LEISURE SUIT LARRY 2 (1 MEG) • 11.49
LEMMINGS 2 ..... 13.99
LEMMINGS DATA DISK - OH NO! 4.99
LINKS - (GOLF) (HARD DRIVE REQUIRED) (1 MEG) 12.99
LOMBARD RAC RALLY 7.99
LOST VIKINGS 19.99
LOTUS 3 - THE FINAL CHALLENGE (1 MEG) (NO12) 12.49
LOTUS TURBO CHALLENGE 2 (NO12) 9.49
LURE OF THE TEMPTRESS (1 MEG) 12.49
M1 TANK PLATOON (1 MEG) 11.49
MAGIC BOY 17.99
MAGICIAN'S CASTLE (1 MEG) 20.49
MAN UTD PREMIER LEAGUE CHAMPIONS (1 MEG) 19.49
MANCHESTER UNITED 9.49
MANCHESTER UNITED EUROPE 9.49
MANIAC MANSION (NO12) 10.49
MICRO MACHINES 16.99
MICROPROSE 3D GOLF (1 MEG) 22.99
MIG 29 (1 MEG) 10.49
MORTAL KOMBAT (1 MEG) 20.49
NEW ZEALAND STORY (NO12) 7.99
NICK FALDO'S GOLF 16.49
NIGEL MANSELL'S WORLD CHAMP'SHIP (1 MEG) 9.99
NIPPON SAFES (1 MEG) 20.49
ON THE BALL • 18.99
ONE STEP BEYOND (1 MEG) 14.99
OPERATION STEALTH (NO12) 11.49
OPERATION WOLF (NO12) 7.99
OVERDRIVE (1 MEG) 11.99
PANZA KICK BOXING (NO12) 8.99
PARASOL STARS 8.99
PATRICIAN (1 MEG) 20.49
PERIHELION (1 MEG) 20.49
PGA TOUR GOLF 10.99
PGA TOUR GOLF COURSE DISK 11.99
PINBALL DOUBLE PACK (PINBALL DREAMS & FANTASIES) (1 MEG) ... 21.49
PINBALL DREAMS (1 MEG) 13.49
PINBALL FANTASIES 15.99
PIRATES (NOP) 10.49
PITFIGHTER 7.99
POOLS OF DARKNESS 9.99
POPULOUS & PROMISED LANDS (NO12) 10.49
POPULOUS 2 (1 MEG) + CHALLENGE DATA DISK 22.49
POPULOUS 2 CHALLENGE DATA DISK (1 MEG) 12.49
POWERMONGER + WW1 DATA DISK (NO12) 12.49
PREHISTORIK 2 • 17.49
PREMIER MANAGER (1 MEG) 9.99
PREMIER MANAGER 2 (1 MEG) 13.99
PREMIERE (1 MEG) 11.99
PRIME MOVER 17.99
PRINCE OF PERSIA (1 MEG) 7.99
PRO TENNIS TOUR 2 ..... 12.49
PROJECT X (SPECIAL EDITION) (1 MEG) 10.49
PUGGSY (1 MEG) 20.49
PUSH-OVER (1 MEG) 9.49
PUTTY 15.49
QUEST & GLORY (BLOODWYCH, MIDWINTER, CADAVER, BAT) (NO12) 13.49
QUESTRON 2 (SSI) (NO12) 5.49
QWAK 9.99
R-TYPE (NO12) 7.99
RAILROAD TYCOON (1 MEG) (NOP) 13.49
RAINBOW COLLECTION (BUBBLE BOBBLE, RAINBOW ISLANDS, NEW ZEALAND STORY) (NOP) 9.99
RALLY (1 MEG) 18.99
REACH FOR THE SKIES 14.99
RISE OF THE ROBOTS (1 MEG) • 25.99
ROAD RASH 17.99
ROBIN HOOD LEGEND QUEST 7.99
ROBINSONS REQUIEM • 18.99
ROBOCOP 2 ..... 7.99
ROBOCOP 3 (NO12) 10.99
RORKE'S DRIFT 7.99
RULES OF ENGAGEMENT 2 ..... 21.49
RYDER CUP 18.49
SABRE TEAM 11.99
SCRABBLE (US GOLD) 19.49
SECOND SAMURAI (1 MEG) 20.49
SECRET OF MONKEY ISLAND (1 MEG) ... 12.99
SECRET OF MONKEY ISLAND 2 (1 MEG) 24.49
SENSIBLE SOCCER ('92/93 SEASON) 13.99
SETTLERS 23.49
SHADOW OF THE BEAST 2 (WITH T-SHIRT) 9.49
SHADOWLANDS 9.49
SHADOWORLDS (NO12) 8.99
SILENT SERVICE 2 (1 MEG) 14.49
SIM CITY DELUXE (SIM CITY, FUTURE CITIES & TERRAIN EDITOR) 19.99
SIM CITY/LEMMINGS (NO12) • 19.49
SIMON THE SORCERER (1 MEG) 21.49
SKID MARKS (1 MEG) • 18.49
SLEEPWALKER 12.99
SMASH TV 7.99
SOCCER KID 18.99
SPACE HULK 22.99
SPECIAL FORCES (1 MEG) 10.99
SPEEDBALL 2 ..... 8.99
SPIRIT OF EXCALIBUR (1 MEG) (NOP) 9.49
SPORTS MASTERS (PGA GOLF, INDY 500, ADVANTAGE TENNIS, EUROPEAN CHAMPIONSHIP'S 1992) (1 MEG) (NO12) 13.99
STARDUST 12.49
STEVE DAVIS SNOOKER 10.49
STREETFIGHTER 2 ..... 11.49
STRIKER (1 MEG) 8.99
STUNT CAR RACER (NO12) 7.99
SUPER CARS 2 (NOP) 9.49
SUPER FROG (1 MEG) 16.99
SUPER HANG ON 7.99
SUPER SPACE INVADERS 9.49
SURBURBAN COMMANDO • 17.99
SWITCHBLADE 2 (NO12) 9.49
SWIV (NOP) 8.99
SYNDICATE (1 MEG) 22.49
T2 (COIN OP) (1 MEG) 20.49
THE BLUE & THE GREY (1 MEG) 18.99
THE LOST TREASURES OF INFOCOM 1 (20 CLASSIC INFOCOM TEXT ADVS) 18.99
THEATRE OF DEATH 20.49
TITUS THE FOX 9.49
TORNADO (1 MEG) 24.99
TROJAN - ALIEX (LIGHT PHAZER GAME) ... 7.49
TROJAN - FIRESTAR (LIGHT PHAZER GAME) 7.49
TURRICAN 2 ..... 7.99
TURRICAN 3 (1 MEG) 17.99
ULTIMA 5 (NO12) 9.99
URIDIUM 2 (1 MEG) 17.99
UTOPIA + DATA DISK 11.99
VIKINGS - FIELD OF CONQUEST (1 MEG) 11.49
VROOM (NO12) 13.49
WALKER 18.49
WAR IN THE GULF 19.99
WARZONE 8.99
WHEN TWO WORLDS WAR (1 MEG) 21.49
WING COMMANDER 1 (1 MEG) 9.99
WINTER OLYMPICS • 21.49
WIZ 'N' LIZ 20.49
WIZ-KID 10.99
WONDERDOG 16.99
WWF WRESTLING (NO12) 8.99
WWF WRESTLING 2 (1 MEG) 8.99
XENON 2 MEGABLAST 8.49
XMAS LEMMINGS 12.99
ZOOL (1 MEG) 10.99
ZOOL 2 (1 MEG) 16.99

AMIGA EDUCATIONAL

10 OUT OF 10 - DINOSAURS (1 MB) 17.99
10 OUT OF 10 - EARLY ESSENTIALS (1 MB, AGES 3-7) 17.99
10 OUT OF 10 - ENGLISH (1 MB, AGES 6-16) 17.99
10 OUT OF 10 - FRENCH (1 MB, AGES 8-16) 17.99
10 OUT OF 10 - JUNIOR ESSENTIALS (1 MB, AGES 5-11) 17.99
10 OUT OF 10 - MATHS ALGEBRA (1 MB, AGES 6-16) 17.99
10 OUT OF 10 - MATHS NUMBERS (1 MB, AGES 6-16) 17.99
ADI ENGLISH (11-12 YRS) 16.99
ADI FRENCH (12-13 YRS) 16.99
ADI FRENCH (13-14 YRS) 16.99
ADI FRENCH (14-15 YRS) 17.49
ADI JUNIOR COUNTING (6-7 YRS) 14.49
ADI JUNIOR READING (4-5 YRS) 14.49
ADI JUNIOR READING (6-7 YRS) 14.49
ADI MATHS (11-12 YRS) 16.99
ADI MATHS (12-13 YRS) 16.99
ADI MATHS (13-14 YRS) 16.99
FUN SCHOOL 2 (2-6) 8.49
FUN SCHOOL 2 (6-8) 8.49
FUN SCHOOL 3 (2-5 YRS) 14.49
FUN SCHOOL 3 (5-7 YRS) 14.49
FUN SCHOOL 3 (7+ YRS) 14.49
FUN SCHOOL 4 (2-5 YRS) 16.49
FUN SCHOOL 4 (5-7 YRS) 16.49
FUN SCHOOL 4 (7+ YRS) 16.49
FUN SCHOOL SPECIAL - MERLIN'S MATHS (7-11 YRS) 16.99
FUN SCHOOL SPECIAL - PAINT 'N CREATE EDUCATIONAL ART (5+ YRS) 16.99
FUN SCHOOL SPECIAL - SPELLING FAIR (7-13 YRS) 16.99
MEGA MATHS ('A' LEVEL COURSE) 17.99
MICRO ENGLISH (8 YRS TO GCSE) 17.99
MICRO FRENCH (BEGINNER TO GCSE). NOW FEATURES REAL SPEECH 17.99
MICRO GERMAN (BEGINNER TO GCSE AND BUSINESS LEVEL). NOW FEATURES REAL SPEECH 17.99
MICRO MATHS (11 YRS TO GCSE) 17.99
MICRO SCIENCE (8 YRS TO GCSE) (1 MB) 17.99
MICRO SPANISH (1 MB). BEGINNER TO GCSE. CONFORMS TO NATIONAL CURRICULUM 17.99
NODDY'S PLAYTIME (EDUCATIONAL PROGRAM FOR CHILDREN AGED 3+) (1 MB) 17.49
NODDY'S BIG ADVENTURE 17.49

AMIGA UTILITY

DELUXE PAINT 4 (AGA FOR AMIGA 1200 WORKS IN 256 COLOUR AND NEW 8-BIT HAM MODE, 2 DISK DRIVES RECOMMENDED) 60.49
AMOS (GAMES CREATOR) 30.49
AMOS EASY (1 MB, FIRST STEPS TO PROGRAMMING) 22.49
AMOS PROFESSIONAL (1 MB, PROFESSIONAL VERSION OF WORLDS BEST SELLING GAMES CREATOR) MORE COMMANDS, MORE FLEXIBILITY AND BETTER USER INTERFACE 32.49
AMOS PROFESSIONAL COMPILER (COMPILES AND SPEEDS UP PROGRAMS WRITTEN IN AMOS, EASY AMOS OR AMOS PROFESSIONAL) 24.49
DELUXE PAINT 3 (WITH ANIMATION) 9.99
DELUXE PAINT 4 (1 MB) (HAM MODE & ANIMATION) 55.49
HOME ACCOUNTS 7.99
KIND WORDS 3 WORD PROCESSOR (SUPERB FULLY FEATURED PACKAGE FOR LOW PRICE. 2 DISK DRIVES RECOMMENDED) 20.99
MINI OFFICE (1 MB, WORD PROCESSOR, SPREADSHEET, DATABASE AND DISK UTILITIES) 35.49
MONEY MATTERS (HOME ACCOUNTS 3) 37.99
PC TASK (1 MB). GOOD VALUE SIMPLE PC EMULATOR ALLOWING IBM PC APPLICATIONS TO BE USED ON YOUR AMIGA. PLEASE NOTE THAT THIS IS NOT SUITABLE FOR WINDOWS OR HIGH END APPLICATIONS. REQUIRES MS DOS 3.3 OR ABOVE. SUPPORTS HARD DISK DRIVE. 35.99
PEN PAL WORD PROCESSOR 37.99
POWERWORKS (MAXIPLAN PLUS SPREADSHEET, KIND WORDS 2 WORD PROCESSOR INFOFILE DATABASE) (NOP) 18.99
PUBLISHER (PAGE LAYOUT PACKAGE). CAN PRODUCE BLACK AND WHITE NEWSLETTERS, FLYERS, ANNUAL REPORTS AND MAGAZINES. REQUIRES ONE EXTERNAL DISK DRIVE OR HARD DRIVE (1 MB) (NO12) 20.99
WORDWORTH V.2 WORD PROCESSOR (1 MB, AGA COMPATIBLE, 2 DISK DRIVES RECOMMENDED) 71.99

AMIGA CD32 GAMES

ALFRED CHICKEN 18.99
ALIEN BREED S/E + QWAK 17.99
ARABIAN NIGHTS (AGA) 12.99
BURNING RUBBER 21.99
CAPTIVE 2 - LIBERATION • 22.99
CASTLES 2 ..... 20.49
CHAOS ENGINE • 17.99
D/GENERATION 18.49
DENNIS • 19.99
DONK 19.99
ELITE 2 • 20.99
FLY HARDER • 12.99
JOHN BARNES 12.99
JURASSIC PARK 25.49
K240 (NAGA) 19.49
LABYRINTH OF TIME • 17.99
LIONHEART • 13.99
LITIL DIVIL 19.99
LORD OF THE RINGS 2 ..... 20.49
LOTUS TRILOGY (LOTUS 1, 2, 3) 21.49
MICROCOSM 32.99
NIGEL MANSELL'S WORLD CHAMP'SHIP • ... 18.99
NO SECOND PRIZE • 13.99
OVERKILL & LUNER-C 20.49
PINBALL FANTASIES 20.99
PIRATES GOLD • 19.99
PROJECT X S/E + F17 CHALLENGE 17.99
ROBOCOD 20.99
RYDER CUP 21.99
SEEK & DESTROY (1 MEG) • 18.49
SENSIBLE SOCCER 17.99
SLEEPWALKER 21.99
TFX 24.99
ULTIMATE BODY BLOWS (BODY BLOWS & BODY BLOWS GALACTIC) • 20.99
URIDIUM 2 • 17.99
ZOOL 19.99
ZOOL 2 ..... 19.99

VIDEO CD'S
(REQUIRES FMV ADAPTOR)

ANDREW LLOYD WEBBER • 15.99
BLACK RAIN (RATED 18) • 15.99
BON JOVI - KEEP THE FAITH • 15.99
BRYAN ADAMS • 15.99
CARTOON CARNIVAL (RATED U) • 17.99
FATAL ATTRACTION (RATED 18) • 15.99
GHOST (RATED 15) • 15.99
HUNT FOR RED OCTOBER (RATED 15) • 15.99
NAKED GUN 2 1/2 (RATED 15) • 15.99
RAIDERS OF THE LOST ARK (RATED PG) • ... 15.99
STAR TREK IV (RATED PG) • 15.99
THE CURE • 15.99
THE UNTOUCHABLES (RATED PG) • ... 15.99
TOP GUN (RATED PG) • 15.99
WAYNE'S WORLD (RATED 15) • 17.99


COMPETITION PRO EXTRA JOYSTICK CLEAR BASE, MICROSWITCHED WITH AUTOFIRE 11.49


BOLLISTICK HAND HELD JOYSTICK MICRO-SWITCHED AUTOFIRE 10.99


QUICKSHOT 128F MAVERICK 1 JOYSTICK AUTOFIRE 11.99

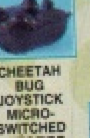

GRAVIS JOYSTICK FOAM PADDED GRIP, ADJUSTABLE HANDLE TENSION AND PROGRAMMABLE FIRE BUTTONS 22.99

QUICKSHOT 137F PYTHON JOYSTICK AUTOFIRE 9.99

KONIX SPEEDKING ANALOGUE JOYSTICK ENABLES PROPORTIONAL CONTROL ON SUITABLE SOFTWARE, AUTOFIRE 11.99

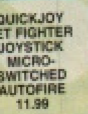

FREEWHEEL STEERING WHEEL (DIGITAL) 25.99

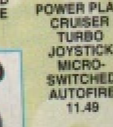

LOGIC 3 PINTO MINI JOYSTICK MICRO-SWITCHED 10.99

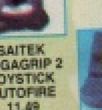

SUPER PRO ZIP STICK MICRO-SWITCHED AUTOFIRE 11.99


LOGIC 3 QUATRO JOYSTICK MICRO-SWITCHED 10.99


CHEETAH BUG JOYSTICK MICRO-SWITCHED AUTOFIRE 13.99


MINI COMPETITION PRO 5000 JOYSTICK MICRO-SWITCHED 11.99


QUICKJOY JET FIGHTER JOYSTICK MICRO-SWITCHED AUTOFIRE 11.99


POWER PLAY CRUISER TURBO JOYSTICK MICRO-SWITCHED AUTOFIRE 11.49


SAITEK MEGAGRIP 2 JOYSTICK AUTOFIRE 11.49

AMIGA A1200 2/0 LEMMINGS PACK



A1200 2/0 LEMMINGS PACK

COMPUTER WITH MOUSE, BUILT-IN TV MODULATOR, 2MB RAM EXPANDABLE TO 10MB, WORKBENCH 3.0, 32 BIT MOTOROLA 68020 PROCESSOR RUNNING AT 14MHz. NEW AGA GRAPHICS CHIPSET, 1 YEAR IN-HOME SERVICE WARRANTY *WITH LEMMINGS & DELUXE PAINT 3.* 275.99

A1200 2/0 LEMMINGS PACK AS ABOVE WITH INTERNAL 2.5" HARD DRIVES *PLUS NIGEL MANSELL & TROLLS GAMES*:

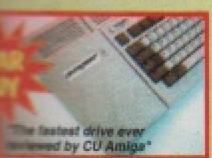
COMPUTER + 64MB INTERNAL 2.5" DRIVE 445.99
COMPUTER + 85MB INTERNAL 2.5" DRIVE 475.99
COMPUTER + 127MB INTERNAL 2.5" DRIVE 515.99
COMPUTER + 209MB INTERNAL 2.5" DRIVE 579.99

BUY A FABULOUS VALUE CHAOS AGA SOFTWARE PACK WHEN YOU BUY YOUR A1200 OR A600

CHAOS PACK AGA FOR A1200
CONTAINS CHAOS ENGINE, NICK FALDOS GOLF, PINBALL FANTASY AND SYNDICATE 19.99

CHAOS PACK AGA FOR A600
CONTAINS CHAOS ENGINE, NICK FALDOS GOLF, PINBALL FANTASY AND SYNDICATE 19.99

OVERDRIVE HIGH SPEED HARD DRIVES FOR AMIGA A1200



EXTERNAL DRIVE STYLED TO MATCH AMIGA. PLUGS INTO PCMCIA SLOT. EXTERNAL PSU. WESTERN DIGITAL DRIVE UNIT, 12MS ACCESS TIME. AQ TOOLS AND 1 YEAR WARRANTY.

OVERDRIVE 130MB HIGH SPEED HARD DRIVE FOR A1200
(DRIVE MECHANISMS MAY VARY CIRCA 15MS) 255.99
OVERDRIVE 210MB HIGH SPEED HARD DRIVE FOR A1200...279.99
OVERDRIVE 250MB HIGH SPEED HARD DRIVE FOR A1200...299.99
OVERDRIVE 340MB HIGH SPEED HARD DRIVE FOR A1200...379.99

CONNER HARD DRIVES FOR AMIGA

CONNER 64MB HARD DRIVES (INTERNAL IDE, MODEL CP2064). HIGH SPEED 2.5" DRIVE, 15MS ACCESS TIME (APPROX). 32K CACHE AND 1 YEAR WARRANTY. KIT COMPLETE. *PLEASE NOTE THAT OPENING YOUR AMIGA MAY INVALIDATE YOUR WARRANTY.*

CONNER 64MB HARD DRIVE FOR A1200 ....129.99
CONNER 64MB HARD DRIVE FOR A600..........................129.99

A1200 DESKTOP DYNAMITE PACK



A1200 2/0 DESKTOP DYNAMITE PACK *PLUS FOUR FREE GAMES*

COMPUTER WITH MOUSE, BUILT-IN TV MODULATOR, 2MB RAM EXPANDABLE TO 10MB, WORKBENCH 3.0, 32 BIT MOTOROLA 68020 PROCESSOR RUNNING AT 14MHz. NEW AGA GRAPHICS CHIPSET, 1 YEAR IN-HOME SERVICE WARRANTY
WITH WORDWORTH 2.0 AGA WORD PROCESSOR, DELUXE PAINT IV, PRINT MANAGER, OSCAR & DENNIS.
FREE ELITE 2, BATMAN RETURNS, LEMMINGS 2 & CIVILISATION AGA GAMES
(WHILE STOCKS LAST) 325.99

COMMODORE AMIGA A600

AMIGA A600 1/0 LEMMINGS PACK
COMPUTER WITH MOUSE, BUILT-IN TV MODULATOR, WORKBENCH 2.0, 1 MB RAM EXPANDABLE TO 10MB. 1 YEAR IN-HOME SERVICE WARRANTY.
WITH LEMMINGS, DELUXE PAINT 3, FORMULA ONE GRAND PRIX, PUSHOVER AND PUTTY. 199.99

COMMODORE AMIGA CD32 DANGEROUS STREETS PACK



INCLUDES WING COMMANDER, OSCAR, DIGGERS AND DANGEROUS STREETS GAMES. CD BASED CONSOLE WITH A1200 32-BIT POWER. 256,000 COLOURS FROM 16.7 MILLION PALETTE, 2 MEG RAM, FAST 14MhZ 68020 CHIP. PLAYS AUDIO CD'S VIA ON SCREEN DISPLAY, CD+G & VIDEO CD'S WITH ADAPTOR AVAILABLE. 259.99

SCART TELEVISION /MONITOR



SONY KVM1400 14" FST COLOUR TV/ MONITOR+ REMOTE CONTROL.
60 CHANNEL TUNING, REAR SCART INPUT, HEADPHONE SOCKET, TWO POSITION TILT, BLACK TRINITRON SCREEN, LOOP AERIAL.
FREE SCART LEAD (STATE AMIGA, ST, MEGADRIVE, SNES OR CD32).

SONY TV (GREY) 194.99
SONY TV (WHITE) 194.99
SONY TV + FASTEXT 249.99

MEMORY UPGRADES

512K AMIGA RAM WITH CLOCK FOR A500 AND A500+ 24.99
AS ABOVE WITHOUT CLOCK..........................19.99
1 MEGABYTE A500 PLUS RAM UPGRADE WITH CLOCK 29.99
1 MEGABYTE A600 RAM UPGRADE WITH CLOCK ...39.99
4 MEGABYTE PCMCIA UPGRADE FOR A600 OR A1200. PLUGS DIRECTLY INTO SMART CARD SLOT. THESE ARE NOT BATTERY BACKED AND CAN'T BE USED AS A DISK, ONLY AS RAM. 169.99

WORK CENTRES



PREMIER CONTROL CENTRE FOR AMIGAS. (STEEL MONITOR STAND WITH EXTRA SHELF FOR EXTERNAL DISK DRIVE AND ACCESSORIES. CUSTOM FIT DESIGN)
(DISK DRIVE, MONITOR & COMPUTER NOT INCLUDED)
PREMIER CONTROL CENTRE FOR AMIGA 1200. ...39.99
PREMIER CONTROL CENTRE FOR AMIGA A500 OR A500+. 39.99
PREMIER CONTROL CENTRE FOR AMIGA A600 ...34.99

DISK DRIVES

EXTERNAL 3.5" DISK DRIVE FOR ANY AMIGA WITH SONY/CITIZEN DRIVE MECHANISM. 880K FORMATTED CAPACITY, QUIET, HIGH QUALITY, SLIM LINE DESIGN, COLOUR MATCHED METAL CASE AND LONG REACH CONNECTION CABLE. 52.99

MUSIC & SOUND EQUIPMENT

SCREENBEAT 2 STEREO SPEAKERS..........................15.99
SCREENBEAT MAINS ADAPTOR FOR SCREENBEAT SPEAKERS 7.99
TECHNOSOUND TURBO 2 SOUND SAMPLER FOR AMIGA. SOFTWARE INCLUDES REAL TIME SPECIAL EFFECTS AND WORKS WITH ANY AMIGA. 1 MB RAM REQUIRED. 26.99
ZYDEC STEREO SPEAKERS FOR AMIGA WITH BUILT-IN AMPLIFIER AND VOLUME CONTROLS 27.99

CD32 ACCESSORIES

COMMODORE FULL MOTION VIDEO-CD MODULE FOR AMIGA CD-32. GIVES CD-32 HIGH QUALITY FULL MOTION VIDEO CAPABILITY FOR MOVIES, MUSIC VIDEOS AND GAMES THAT FEATURE FULL MOTION VIDEO GAMEPLAY. SIMPLY SLOTS INTO BACK OF CD-32. ....199.99*
TV LEAD - AMIGA CD-32 TO SVHS TV OR VIDEO 7.99
MONITOR LEAD - AMIGA CD32 TO PHILIPS CM8833 MK2 OR CBM 1084S MONITOR 7.99
SCART LEAD - AMIGA CD32 TO TV WITH SCART INPUT. REQUIRES TV WITH MANUAL SWITCHING SCARTCHANNEL. 9.99

DISK BOXES

DISK BOX 3.5" (120) LOCKABLE, DIVIDERS 9.99
DISK BOX 3.5" PLASTIC FLIP TOP (10 CAPACITY) ...2.49
MEDIA LIFE FILE DRAWER (100 CAPACITY). STACKABLE DESIGN 12.99

LEADS

ANTI-SURGE 4 WAY MULTIPLUG EXTENSION LEAD FOR ANY ELECTRICAL DEVICE (EG. COMPUTER/CONSOLE/VIDEO). PROTECTS YOUR VALUABLE EQUIPMENT AGAINST DAMAGING ELECTRICAL SURGES..........................26.99
RGB EXTENDER CABLE FOR AMIGA 500 OR PLUS. ALLOWS TV MODULATOR TO BE EXTENDED FROM BACK OF MACHINE OR EXTENSION TO RGB MONITOR OR EXTERNAL DISK DRIVE 12.99
SWITCHER LEAD (STRAIGHT THROUGH CABLE). CONNECTS AMIGA, ST OR PC TO SWITCHER BOX. 1.8 METRES PARALLEL (MALE TO MALE 25 WAY D CONNECTORS) 9.99
HI-FI AUDIO LEAD - AMIGA/ST TO STEREO (1.5 METRES, 2 X PHONO PLUGS TO 2 X PHONO PLUGS) 3.99
MONITOR LEAD - AMIGA TO PHILIPS CM8833 MK2 OR CBM 1084S MONITOR 7.99
SCART LEAD - AMIGA TO PHILIPS TV WITH SCART INPUT ...9.99
SCART LEAD - AMIGA TO SONY TV WITH SCART INPUT 9.99
SCART LEAD - AMIGA TO TOSHIBA/HITATCHI TV WITH SCART INPUT..........................9.99
SCART LEAD - AMIGA TO TV WITH SCART INPUT..........9.99

FOR A FULL RANGE OF LEADS PLEASE CALL 0279 600204

HAND SCANNER

ZYDEC HANDY SCANNER FOR ANY AMIGA. 100-400 DPI HIGH QUALITY RESOLUTION, 64 SIMULATED GREYSCALES, INCLUDES HIGHLY ACCLAIMED DAATASCAN PROFESSIONAL SOFTWARE PACKAGE..........................99.99

MISCELLANEOUS

CITIZEN PRINTER DRIVER KIT FOR AMIGA. SUITS ALL WORKBENCH VERSIONS FROM 1.3 TO 3.0 ENHANCES PRINT QUALITY FROM CITIZEN SWIFT PRINTERS. GIVES OUTSTANDING RESULTS 12.99
DUST COVER FOR A1200 (CLEAR PVC) 4.99
DUST COVER FOR A600..........................4.99
DUST COVER FOR AMIGA A500(CLEAR PVC) 4.99
DUST COVER FOR MONITOR (CLEAR PVC) 5.99
ZYDEC AMIGA POWER SUPPLY (SPECIAL COOL RUNNING TRANSFORMER) 32.99
ROBOSHIFT INTERFACE FOR AMIGA (PLUGS MOUSE & JOYSTICK INTO ONE PORT) 12.99



BLANK DISKS

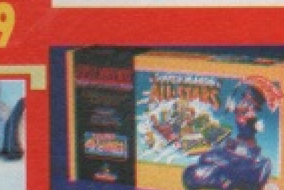
PACK OF 10 SONY DOUBLE DENSITY 3.5" DISKS + CASE. WITH LABELS & FREE PLASTIC FLIP TOP DISK BOX 6.99

PACK OF 10 TDK MF-2DD 3.5" DISKS (DSDD BRANDED) 7.99

MEGADRIVE 1 & SONIC 2

with two Sega control pads & Sonic The Hedgehog 2 game

95.99





SUPER NES & FREE SCOPE 6 LIGHT GUN

114.99

FREE SCOPE 6 WITH EVERY MARIO ALL STARS PACK

CITIZEN SWIFT 90C COLOUR PRINTER
9 PIN, 80 COLUMN, 240CPS/54NLQ, 6NLQ FONTS, 2 YEAR WARRANTY, FREE PRINTER LEAD. A 9 PIN PRINTER WITH COLOUR FACILITY AND FULL PAPER HANDLING FUNCTIONS. 159.99

CITIZEN SWIFT 200C PRINTER + COLOUR KIT
24 PIN, 80 COLUMN, 216CPS/72LQ 6 LQ/1 DRAFT FONT, AUTO SET FACILITY, INPUT DATA BUFFER, AUTO PAPER LOADING, ENVELOPE PRINTING, 2 YEAR WARRANTYFREE PRINTER LEAD. 189.99

PANASONIC KXP2123 COLOUR PRINTER
24 PIN, 80 COLUMN, 192 CPS/64LQ, 7 FONTS (1 SCALEABLE), EXTREMELY QUIET 43.5 DBA NOISE LEVEL, FREE PRINTER LEAD, 1 YEAR WARRANTY. ONE OF THE QUIETEST DOT MATRIX PRINTERS ON THE MARKET 214.99

We only supply official UK products. Official suppliers of all leading brands. We sell games and peripherals all at amazing prices for Megadrive, Master System, Game Gear, Super NES, Gameboy, NES, Lynx, Amiga, Atari ST, PC, CD ROM, CDi and Apple Mac. PRICES CORRECT AT TIME OF GOING TO PRESS. 8.3.94



Special Reserve members can have all this.. can YOU?

- READ "NRG" Regular Club Magazine
- CHOOSE from our Huge Selection
- BUY at Best Possible Prices
- SAVE with our Special Deals
- SAVE more with our XS Coupons
- WIN fabulous prizes in our FREE competitions

JOIN now from just £4.00

We only supply members but you can order as you join

There's no obligation to buy and you can be any age. Just send in the form below or phone Sales on **0279 600204**.

As a member of Special Reserve you'll receive regular issues of NRG magazine. NRG is our 48 page colour club magazine sent bi-monthly only to Special Reserve members. NRG contains:

1. The best selection of games, peripherals and hardware for all popular formats. We are official Sega, Nintendo and Sony stockists.
2. Reviews in colour and latest information on new products
3. Charts and Release Schedule, to help you choose and plan
4. The best prices. Just one purchase will save you your joining fee
5. Hundreds of Special Offers. Top games at prices you won't believe
6. XS Super Savers. Money-off coupons worth over £180 a year
7. **PRIZE COMPETITIONS**. Loads of goodies to be won in every issue of NRG, exclusive to members and free to enter!

That's why over 200,000 people have joined Special Reserve, the biggest games club in the World!

0279 600204

OPEN 10am til 8pm Seven Days a Week!
Order/Confirmation/Receipt sent for every order.
You can also Fax your order to us on: 0279 726842

We pride ourselves on our after-sales service. (18 customer service lines) Inevitably some games listed may not yet be available. Please phone sales on 0279 600204 to check availability before ordering. In the event of delay we issue refunds on request at any time prior to despatch. We reserve the right to change prices and offers without prior notification. E .& O.E.

SAWBRIDGEWORTH SHOP	CHELMSFORD SHOP
2 South Block, The Maltings Sawbridgeworth, Herts	43 Broomfield Road, Chelmsford, Essex

CLUB SHOPS OPEN 10am til 8pm SEVEN DAYS A WEEK.
Registered Office: Inter-Mediates Ltd, 2 South Block, The Maltings, Sawbridgeworth, Herts. CM21 9PG.
All prices include VAT and carriage to UK mainland. See base of order form for overseas surcharges. We supply hardware only to UK mainland addresses.

MEMBERSHIP FEES	6 MONTHS TRIAL MEMBERSHIP	ONE YEAR ANNUAL MEMBERSHIP	TWO YEARS WITH FREE HARD BINDER
UK MEMBERS	4.00	7.00	14.00
OVERSEAS EC MEMBERS	6.00	9.00	18.00
OVERSEAS WORLD MEMBERS	7.00	11.00	22.00

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN.
THERE ARE NO SURCHARGES ON TELEPHONED ORDERS (UK)
(PLEASE PRINT IN BLOCK CAPITALS) **DIRT**

Name ____________________

Address ____________________

____

__________ Postcode __________

Phone __________ Machine __________

Enter membership number (if applicable) or
NEW MEMBERSHIP FEE (ANNUAL UK 7.00)

item ____________________

item ____________________

item ____________________

item ____________________

ALL PRICES INCLUDE UK POSTAGE & VAT £

Cheque/P.O./Access/Mastercard/Switch/Visa (Switch Issue No______)

Card expiry date__________ Signature____________________

Cheques payable to: **SPECIAL RESERVE**
P.O. BOX 847, HARLOW, CM21 9PH

Overseas Orders Surcharge (EC or World): **Software orders please add £2.00 per item. Non-software items please add 25%. Hardware items supplied to UK mainland only.** ***Overseas orders must be paid by credit card.***



Setting up shop

Cashing in on your Amiga skills isn't easy, but with a good idea, lots of enthusiasm and some solid backing it is possible... Tony Dillon shows you how five companies managed to make it big from small beginnings. Could you do it too?

I can remember a time when small software houses had to bring games to you because there wasn't any room in their kitchen for a press conference. Then along came the big corporations and the console makers, and money flooded into the market. If you didn't have an office and a fax machine, you didn't get in on the deals. There was nowhere for the home coder to go.

Then the PD market exploded and licenceware became the place to be. You only have to look at *Doom* on the PC to see the quality that's available now. In effect, PD became the new cottage industry, but due to its own low pricing, coding for it could never be a full time profession for the hundreds that do so.

But now home coding seems to be making a comeback. The corporates have become too big for their own good, and product quality has slipped in favour of profit. A change was needed, and Team 17 were the people to do it. Against the odds they managed to create a name and a market, simply by thinking of the consumer rather than the bank and opening up the software industry to all and sundry. Now you too can have a number one game!

We decided to talk to some of the other companies who are currently proving that, against the odds, it can be done – asking them how they did it, and what advice they can give you, the potential Archer Macleans and David Brabens of the world. Here is what they said:



At the moment, ASD's reputation lies in the field of game intros. This helicopter intro to *Werewolf KA-50* is a fine example. Rendered on an Amiga 4000, it's the best chopper we've seen this side of Newsnight.



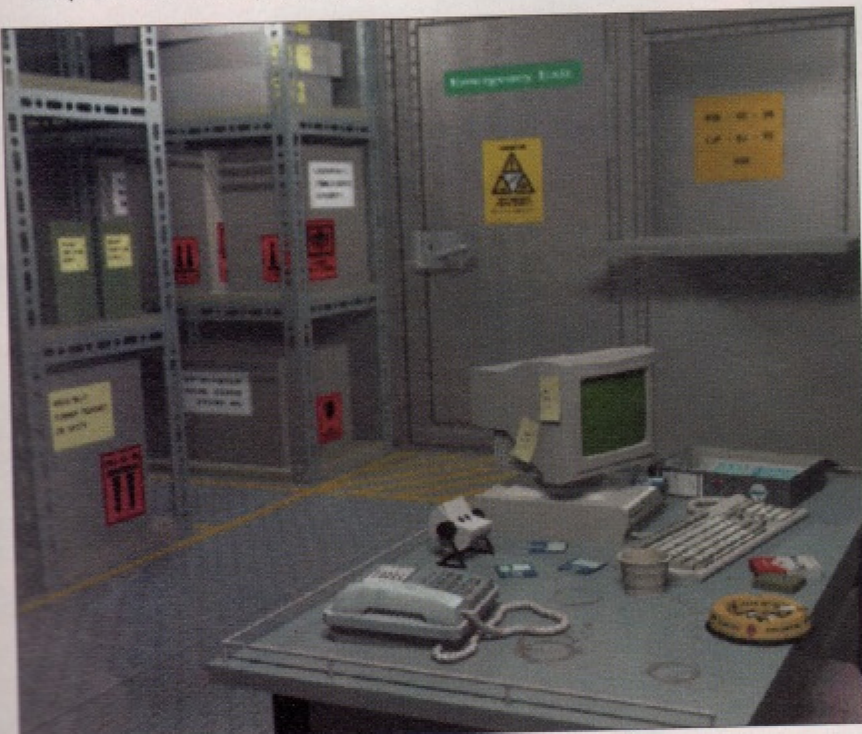
Arcane Entertainment

Arcane Software Developments, AKA ASD, was set up in September 1991. Its sole aim was to develop superior quality software that stands out from the already vast amount of software available in the marketplace today. They also aimed to encompass unique graphics, sound and cunning gameplay, founded on and backed up by superior coding from its in-house programming team.

Stephen Iles, ASD's Managing Director and Director of Projects entered the industry in 1988, learning from the raw talent of people like Nick Wilson, Clive Townsend and Simon Francis. Already with seven years of computing experience behind him, he joined the industry with a vast amount of knowledge of what made slick and highly enjoyable computer games that people would want to play. Before setting up Arcane Steve completed an ITEC college course where he studied business practice and office skills, going on to manage a computer and software retail outlet and achieving record sales using unique marketing strategies. With this experience he then went on to work for the Virgin Group at one of their London Megastores where he headed the information department and general enquiries. Here he gained invaluable insight into the likes and dislikes of the average games player by carrying out numerous public surveys. Soon, with both the management and retail experience he had gained, it was time for him to start his own development group.

INTRODUCING

ASD's first project was the famous '*Powermonger*' intro for Bullfrog/ Electronic Arts. This brought them much acclaim, and they were asked to do the *Populous 2* and *Birds Of Prey* intros. The latter was widely described as the best intro to ever





Just two of Arcane's stunning rendered images for Virgin's upcoming Werewolf flight sim. By using soft focus, the pictures have a striking sense of depth.

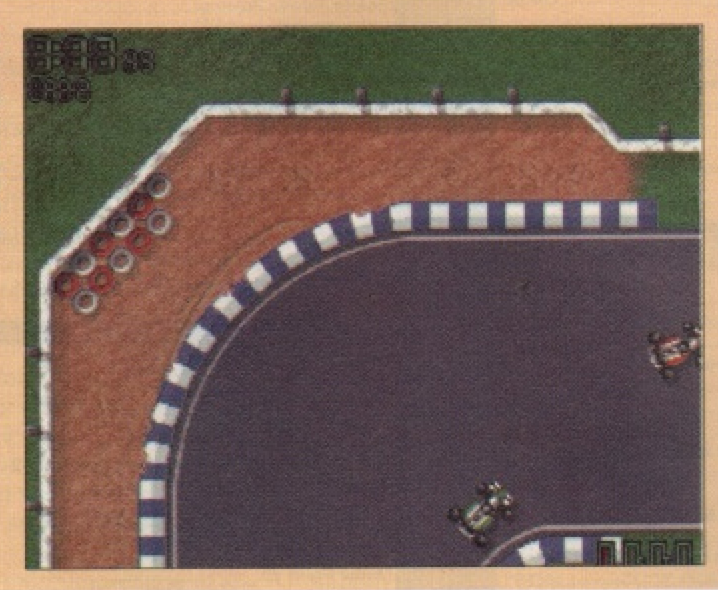
Coming Soon...

TURBO TRAX

A monster of a racing game, *Turbo Trax* is *Super Sprint* on steroids. Race all manner of vehicles around all manner of tracks, in and around cities, forests and even the odd F1 racetrack. The game looks brilliant, but what is most appealing about it is the feel. A lot of time has been spent getting the traction and skidding just right. So far this looks as though it could be a game to rival the feel of *Skidmarks*! More as we get it.







Turbo trax is Arcane's first independent release and if it plays as well as it looks, will be a sure winner.

grace a computer game. They also scripted and produced the intro to *Desert Strike* on the Amiga, but this was not used as the game ended up on too many disks. Their only game released to date is *Rubicon*, but this however was not developed solely by ASD. Currently, they are developing original product for Virgin Interactive Entertainment, including the artwork and intro animation for 'Werewolf KA-50' – a new combat flight simulator – and two of the in-game characters for Dragon, the game of the film.

A unique member of the design team is Kevin Williams. Kevin started his career in computer games and co-designed *The Last Ninja* among others. From here he took his skills to both Electrocoin and Capcom where he designed software for arcade machines. Collecting his many talents together he then moved on to Rediffusion where he designed the entertainment software for the virtual reality capsule called *Commander*. All of the game designs are now overseen by Kevin; he also manages to supply Arcane with some of his own.

LIFT-OFF

Arcane have recently announced that they intend to launch themselves as a mainstream publisher. On December 14th Arcane Entertainment was officially born, with Arcane Software Developments as an additional label.

"We felt that with the amount of people now dropping the Amiga platform, and the amount of good-quality designs currently held by us it was the only choice. *Supreme Warriors*, for example, is a product that we spent a great deal of time trying to sell on the Amiga, and although the response was 'Yeah, an amazing design', many of the publishers were not interested in this as a target version. Hence it is currently in development under Arcane's roof. As far as having problems, there were a few setbacks but these were down to dodgy programmers at the end of the day. Apart from that, things seem to have gone very smoothly." says Stephen.

Future plans for Arcane stretch to possible investment in Multimedia and continued to steady expansion, as well as producing 'stunning original games that the public will want to play'.

Details of projects this year include Turbo Trax on Amiga 500/1200/CD32 as well as two other titles. Next year will see the release of *Supreme Warriors* and *Esairs XII*, an A1200 shoot em up. With a very strong marketing arm on their side, Daze Marketing, they are now in a position to push the Arcane name and its product to the very maximum of its potential.

Acid Software

One of the prime examples of home grown software publishers has to be New Zealand based Acid Software. Responsible for the fabulous programming package *Blitz Basic 2* and the runaway success that is *Skidmarks*, the team have risen from relative obscurity to media darlings in less time than it takes to boil a Volkswagen.

Composed of Simon Armstrong, Mark Sibly and Andrew Blackbourne, the team recently set up a European base in Camden Town, thanks to the marketing skills of Frenchman Benoit Varasse. Benny tells CU AMIGA how Acid first began. "Acid started 3 years ago in New Zealand with the release of *Blitz Basic II* in Asia and America. Then in September 1993 Acid established its European subsidiary to publish their products. The whole thing started in June. I was finishing an MSc at Kent University when a good friend of mine (Mungo Leir, then at DMI) told me about a totally amazing package called *Blitz Basic*. Simon Armstrong wanted me to translate the *Blitz* manual into French. After DMI collapsed I proposed to Simon to set up its publishing subsidiary in the U.K. and we launched our first product, *Skidmarks* , in December."



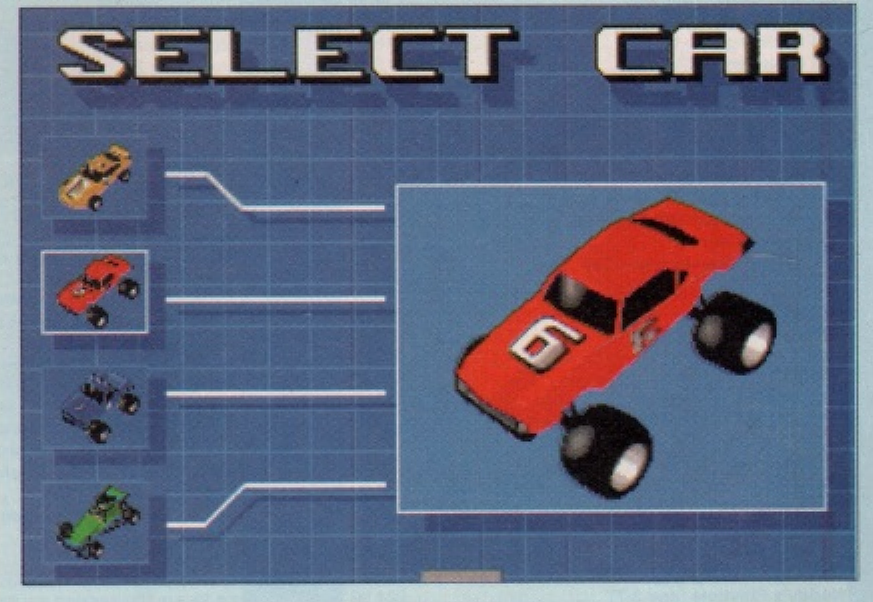
The Acid boys in action: from top – Benoit Varasse, European PR and marekting, Simon Armstrong, the big boss and Mark Sibly, star coder.

BIG MONEY

So who are the people behind this licence to print money? "All the people working at Acid Software have been involved in computer software since the first 8-bit machines. This explains our commitment to playability over anything else. Simon Armstrong, the big boss of Acid has been involved with developments on the Vic-20 and Commodore 64, although his first big achievement was a program called ColorVision on the Amiga.

"Mark had, of course, written *Blitz Basic 1* before the sequel and before that had been a programmer for Commodore New Zealand, designing games for the C-16. He also wrote heaps of software for the Apple II/Vic 20/C64 including 34

»



The rendered vehicles made all the difference to this superb game.

EMERALD CREATIVE TECHNOLOGY

RAPID HOUSE, 54 WANDLE BANK
LONDON SW19 1DW

TEL: 081 715-8866
FAX: 081 715-8877

AMIGA/PC UTILITIES

PC TASK Allows an Amiga to emulate a VGA /EGA PC, read & write MS Dos files	£39.95

BOOKS Bruce Smith Books

A1200 Insider Guide	£13.95
A1200 Next Steps	£13.95
Assembler Insider Guide	£14.95
A-Z of Workbench	£14.95
Mastering Amiga Assembler	£21.95
Mastering Amiga Amos	£18.95
Mastering Amiga Arexx	£18.95
Mastering Amiga Beginners	£18.95
Mastering Amiga Printers	£18.95
Mastering Amiga System	£28.95
Mastering Amiga Workbench 2	£18.95
Mastering AmigaDos 3.0 Reference	£20.95
Mastering AmigaDos 3.0 Tutorial	£20.95
Mastering AmigaDos 2 Volume 1	£20.95
Mastering AmigaDos 2 Volume 2	£18.95

DISK UTILITIES

Disk Expander Compresses your hard drive	£29.95
X-Copy Professional Hardware and software latest version	£24.99
Directory Opus Disk utils - show pictures, play music, hex read files, backup, search	£49.95
Gigamem	£47.50
Hypercache Disk caching to speed up hard drives by 22 times, floppies by 320 times!	£37.55
Quarterback Tools Deluxe Advanced disk doctor	£59.95
Quarterback v6 Back-up and archival system (NEW)	£59.95
Video Back-up System Backs up floppies and hard drives onto VHS video tapes	£54.95

UPGRADE TO Q'BACK V6 FOR £29.99

DATABASE

Sbase Personal 4 Forms Designer and fully relational database	£99.95
Sbase Pro 4 v1.3 Fully relational database with Database Management Language	£199.95

DATABASE APPLICATIONS

GB Route Plus Plan your route anywhere in the UK	£31.95
Mailshot Plus	£35.95
Music Librarian	£15.95
Plants For All Seasons	£15.95

DRIVERS

Stand alone device drivers with hotlinks to ASDG's Art Dept. Professional

Epson GT6500 Scanner Software	£99.95
Sharp JX100 Driver	£99.95
Sharp JX300 Driver	£359.00
Abekas Driver	£119.95
Lasergraphics LFR Driver	£119.95

EDUCATIONAL NEW LOWER PRICES

ADI English age 11-12	£16.50
ADI English age 12-13	£16.50
ADI English age 13-14	£16.50
ADI English age 14-15	£16.50
ADI French age 11-12	£16.50
ADI French age 12-13	£16.50
ADI French age 13-14	£16.50
ADI French age 14-15	£16.50
ADI Jnr Counting age 4/5	£14.99
ADI Jnr Counting age 6/7	£14.99
ADI Jnr Reading age 4/5	£14.99
ADI Jnr Reading age 6/7	£14.99
ADI Maths age 11-12	£16.50
ADI Maths age 12-13	£16.50
ADI Maths age 13-14	£16.50
ADI Maths age 14-15	£16.50
Fun School Special: Merlin Math	£16.99
Fun School Special: Paint/Create	£16.99
Fun School Special: Spelling Fair	£16.99
Kid Pix Paint package for kids	£19.99
Answerback Fact 500 Math	£15.32
Answerback Fact 500 Spelling	£15.32
Answerback Junior	£15.32
Answerback Senior (age 12+)	£15.32
French Mistress	£15.32
German Master	£15.32
Italian Tutor	£15.32
Maths Adventure	£20.99
Spanish Tutor	£15.32
Mega Maths (A Level)	£18.50
Micro English (to GCSE)	£18.50
Micro French (to GCSE)	£18.50
Micro German (to GCSE)	£18.50
Micro Maths (to GCSE)	£18.50
Micro Spanish (to GCSE)	£18.50
Micro Science (to GCSE)	£21.99
Primary Maths (age 3-12)	£19.50
Reading / Writing (3+)	£19.50
Noddy's Playtime (age 3-7)	£24.99
Noddy's Big Adventure (age 3-7)	£24.99
Distant Suns v5.0 Astronomy (NEW)	£39.95

FINANCE MANAGEMENT

Arena Accounts Full accounts package for the Amiga	£82.95
Cashbook Combo	£59.99
Day By Day Diary and personal organiser	£24.99
Home Accounts 3 (Money Matters)	£39.99
Personal Finance Manager Plus Keep track of your cash!	£29.95
System 3 Modules for cashflow, sales ledger and stock control	£44.99
System 3E	£49.99

IMAGE PROCESSING

Art Expressions	£145.00
Real 3D Classic Cost effective 3D rendering, ray tracing	£69.95
Real 3D V2.4 (new version) Ultra-powerful professional quality 3D rendering	£359.95
Caligari 24 PAL	£94.95
Caligari Broadcast v3.1	£349.99
Alternative Textures 3D vol 1 Add different textures and "feels" to Real 3D and Imagine	£35.99
Alternative Textures 3D vol 2	£35.99
Essence v2 Textures for Imagine	call
Art Department Professional v2.5 (NEW)	£145.00
Art Dept Pro Conversion Kit Load and save different file formats in Art Department Professional	£59.99
Doug's Pro Control Batch processing front end for AD Pro and Morph Plus	£50.95
Morph Plus Twist, distort, morph and warp images - watch Madonna turn into Mr T	£139.00
Pixel 3D Pro Create 3D images from scratch, or from 2D pictures.	£79.95
Video Director Video Editing	£115.95
Professional Draw v3.0	£67.95
X-CAD 2000	£89.95

ASK ABOUT UPGRADING YOUR ART DEPARTMENT

INTEGRATED PACKAGES

Mini Office WP, spread sheet and database all in one	£37.95

MUSIC SOFTWARE

Bars&Pipes Professional The most powerful sequencer you could ever wish for.	£199.95
Bars&Pipes Pro Upgrade v1-v2	£99.00
Creativity Kit	£29.99
Internal Sounds	£29.99
Multimedia Kit	£29.99
MusicBox A	£29.99
MusicBox B	£29.99
Peformance Tools Kit	£35.99
Power Tools Kit	£35.99
Pro Studio Kit	£32.95
Rules for Tools	£29.99
One-Stop Music Shop The stunning EMU Proteus DSP on a card, over 4 Meg of wavetables & samples on ROM	£499.99
PatchMeister Patch librarian for MIDI, drivers for many sound modules and handles Sysex dumps	£79.95
SuperJAM! v1.1+ The easy way to make music!	£74.95
SyncPro Synchronise midi with multimedia	£151.96
Triple Play Plus With this 3-out MIDI interface, have up to 48 channel MIDI compositions	£159.95
Amas 2 Sound sampler + midi interface	£79.99
Clarity 16 16 bit sampler with software	£109.95
Pro Midi Interface The price/performance midi interface	£24.95
Stereo Master 8 bit sound sampler	£29.95
MegaMix Master Sound sampling and digital effects	£29.95
Megalosound	£29.95
Deluxe Music Construction Kit v2. Long awaited new version	£69.95
Miracle Piano Learn to read and play music then write patterns to your sequencer with this full size MIDI keyboard and software	£259.95
Technosound Turbo 2 Latest version of this best selling sampler. Sample direct to hard disk	£29.95

PAINT

Art Expressions Drawing	£135.00
Brilliance A fantastic 32 bit paint package	£139.95
Deluxe Paint 4.5 AGA	£59.95
Deluxe Video III	£69.95
Deluxe Paint 4.1 Std. Non AGA	£59.99
Personal Paint v4.0	£40.00

SOFTWARE DEVELOPMENT

Cygnus Ed Professional v3.5	£69.95
Amos Professional	£34.95
Amos Professional Compiler	£24.95
Power Basic	£49.95
DevPac 3	£51.95
SAS C Ver 6.5+ (new)	£249.00
Pascal	£79.95
CanDo V2.5	£89.95
Blitz Basic v2	£49.00

VIDEO HARDWARE

Editmate Control video from Amiga, add sound via the mixing board. Cables and s/w	£179.95
Power Grey Scale Scanner v3.0	£124.95
Colour Power Scanner	£249.95
Video Master	£69.95
Epson GT6500 Colour Scanner High quality, A4, flatbed colour scanner. Includes ASDG scanner software.	£759.00
Video Back-up System Backs up your floppies and hard drives onto VHS video tapes	£54.95
Rendale 8806 S-VHS Genlock	£499.00
Rendale 8802 FMC Genlock	£159.95
Amerge Genlock with fade/wipe control	£195.00
Vidi Amiga 12 Grabs full colour images from a video source in under one second	£74.95
Vidi 12 Real Time Real time 12 bit frame grabber	£139.00
Vidi 24 Real Time Real time 24 bit frame grabber	£233.00

VIDEO TITLING

Big Alternative Scroller	£39.95
Big Alternative Scroller 2	£59.99
Broadcast Titler 2 Super Hi Res	£179.99
Font Enhancer & Font Pack vol 1+2 for BT2	£109.99
Helm (NEW)	£89.95
Montage 24 bit AGA Titling	£279.99
Scala MultiMedia MM210	£149.95
Scala MM300	£299.95
Media Point v3 (NEW)	£290.00

VIRTUAL REALITY

Distant Suns v5.0 Astronomy (NEW)	£39.95
Scenery Animator v4	£49.95
Vista Pro v3.0 Create textured 3D landscapes	£48.95
Vista Lite (only 2mb needed) (new)	£39.00
Makepath for Vista Animate a path through your Vista 3D landscape	£24.95
Terraform for Vista	£24.95
Vista Scapemaker 3.0	£59.95

WORD PROCESSING and DESKTOP PUBLISHING

PenPal UK	£29.00
Personal Write	£19.95
Wordworth 3.0 AGA	call
Professional Page v4.1	£109.99
Pro Page v4.1 + Pro Draw v3	£150.00
Pagesetter v3	£39.99
Pagestream v3.0	£249.95
TypeSmith 2 Font designer	£118.95
Final Writer UK	£99.99
Final Copy II UK	£64.00
Turboprint Professional	£34.99
Personal Font Maker	£40.00

HOW TO ORDER and PAY

Cheque made payable to "Emerald Creative". Allow at least 7 working days for cheques to clear.

Credit Card. Visa, Mastercard, Delta. We will bill your card when we process your order and ship the product, not before.

Pricing: All pricing includes VAT, but not carriage. We reserve the right to change prices. You will be informed of any price change before your order is accepted.

Post and Packaging charges within the UK are £2.50. Registered post is an extra £0.55 Next day courier is £4.95 inc VAT within the UK Mainland. Please ask for Overseas pricing.

Problems: Faulty product will be GLADLY replaced or repaired within 30 days of purchase. Phone us and we will tell you what to do. Will refund if we can't repair your faulty product. Keep your Invoice. E&OE.



Skidmarks featured all sorts of tracks. Some had jumps...

BASIC compilers and 135 versions of *Defender* (I'm not quite sure if he can write anything else really...) I wrote a few games for Amstrad machines, published in France. I also wrote *Cool Croc Twins* on Amiga/ST, and started a few lousy ventures before Acid, and did some consulting for different French and English distributors.

"Andrew was an 18 year old student who just happened to also be a Blitz user when he started to write *Skidmarks*."

With that much knowledge of the industry behind them, why decide to set up an independent team?

"To be free!!! Publishing for ourselves means we are able to release exactly what we want, without being driven by any financial consideration other than paying our bills.

I think the main reason is that none of those working with Acid would really fit in with a normal games publisher. We are really too crazy for that (especially Mark). Plus, Simon and Mark always wanted to set up a publishing company in New Zealand.

Since I always wanted to start my own publishing company independently, something different to what's out there, getting together was the best thing that could happen."

EASY?

It can't all have been as smooth as that though, can it? There must have been some problems.

"Heaps of problems, man. I started by selling *Blitz* from my student bedroom in Canterbury. We sold 15 the first month! The problem was to turn this microscopic venture into a real company in less than 3 months. And Acid Software New Zealand was really very short of cash at that time, since DMI went bust and *Woody's World* that Simon was handling for Vision was badly released .

Also, as neither Simon or myself could afford a plane ticket, we never met each other before February and we set up the entire deal by fax – which caused a few communication problems. Anyway, I ended up borrowing £2,000 from my lovely sister and went to London to rent a flat and set up a kind of office in it" continues Benoit.

"Then the real problems started: first of all it was very hard to open a bank account for this company (a French guy setting up ACID software with a bunch of Kiwis!!!). Then nobody wanted to let us produce our goods on credit, basically nobody trusted us.

Luckily, we came across a few good companies like The Software Business and especially CDS Software from Doncaster which realised our potential and helped us at the right time. They don't regret it now that *Skid* is on top of charts and *Blitz* is recognised as the best development tool for the Amiga.

"Amiga users have understood that we are working for them (which is why we don't release any rubbish Hollywood licences with no gameplay) and everything seems a lot easier. But setting up the whole thing, going from zero to the top, that was really a blast, I would have done it just for the good time."

WHERE TO NOW?

But where do Acid go now? Benoit replies: "Well, the most important plans at the moment would be some holidays. Mark and Simon are, at the moment, in Disneyland, but I am thinking about a more relaxed destination, Jamaica maybe... then it will be time to release the CD32 enhanced version of *Skidmarks*, together with new track discs for floppy users.

"Then we'll have Mark's new game, *Guardian*. (The Amiga equivalent of the Nintendo game *Starwing*). We really feel very strong about this game, I really think you will all be blown away.

"We decided to do the CD32 first so that we can really take advantage of the machine (especially the seven-button joypad, perfect for playability) and give the CD32 the software support it deserves. So CD32 users don't worry, *Guardian* is coming and it is the best thing that could happen for your machine.

"Apart from that we have a few other plans for the next Xmas season that I don't want to unveil now. We also expect a lot from our UK *Blitz* users. There are thousands of them out there, we have brought them the best development package there is, I am sure something good is going to come from them. We are obviously interested in publishing any *Blitz* software that meets our quality and gameplay standards. So UK users, keep on hacking, if an 18 year old kid can write *Skidmarks* in Blitz, you can do something cool too.

Finally, the success of *Skidmarks* means we have quite a bit of cash to play with. We are interested in meeting top (but really top, mind...) programmers, games designers, artists, musicians etc... that would like to work on some of our projects or need sponsorship for their own projects.

We are obviously looking at new 64-bit platforms although we are, and will remain, an Amiga software publisher first. The only condition for being part of Acid Software is to be really interested in video-games themselves (and not the money they generate, like 95% of the people I've met in the industry), to commit to playability and be a cool bloke who likes to party a lot! "

"As for the money, we make sure at Acid that everybody gets a fair share and is happy. Maybe in a couple of years, we'll be able to offer Sensible a deal, those guys are really hot, we respect them. I just hope they like to party too!

And finally, if we get successful enough, we would like to get involved in politics and try to change the way people think a bit, maybe help the world be a bit less competitive." Benoit concludes.

You could almost believe them too. Acid Software have come from nowhere to the top in no time at all. At time of going to press, *Skidmarks* has sold over 15,000 copies! Not bad at all for the guys who just want to party!



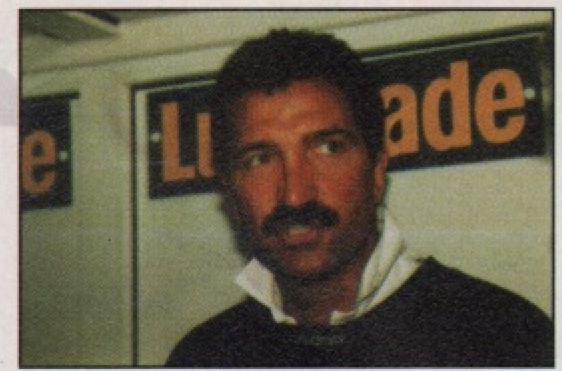
Coming Soon...

GUARDIAN

Originally titled *Sibwing*, *Guardian* is Mark Sibly's interpretation of the SNES game *Starwing*, and it plays even better than it looks. AGA only at this stage, the game features more colours and sounds than any contemporary, and features the player as an intergalactic star jockey performing missions for a military organisation. More than that is impossible to tell you at present, as the game changes so much from week to week. We'll have more info as soon as we get it.



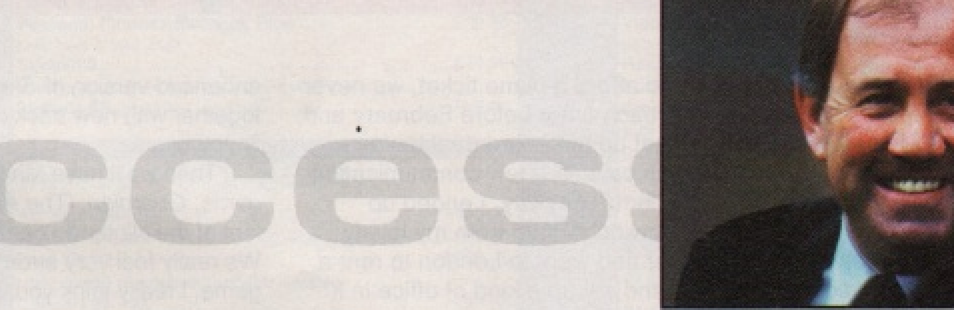
...and some didn't. All were great fun to play though.



They couldn't manage









Forget Fantasy League. This is for real.

PLAYER MANAGER gives you the chance to show your **skills** on and off the pitch. It combines the pace and the gameplay of the legendary **Kick Off** with the tough world of football management. Planning the right tactics, boosting team morale, picking your best team, managing the club's finances, wheeling and dealing in the transfer market, spotting new **talent**, even designing the team kit is down to you. The buck stops with you, the board and fans expect **results**, fail them and the boot beckons!

SNES out now

PC & AMIGA available mid march





PC compatibles: VGA min, 386 min, hard drive installation required, Min 1MB RAM

Amiga: 500/600/1200/2000 Min 1MB RAM

Super Nintendo version published by Imagineer (UK) Ltd, Unit 16, Progress Business Centre, Whittle Parkway, Slough, Berks SL1 6DQ Tel: 0753 671686 Fax: 0753 671682



A freeze frame of the destruction available to you as a *Zeewolf* pilot. And these are the small missiles.

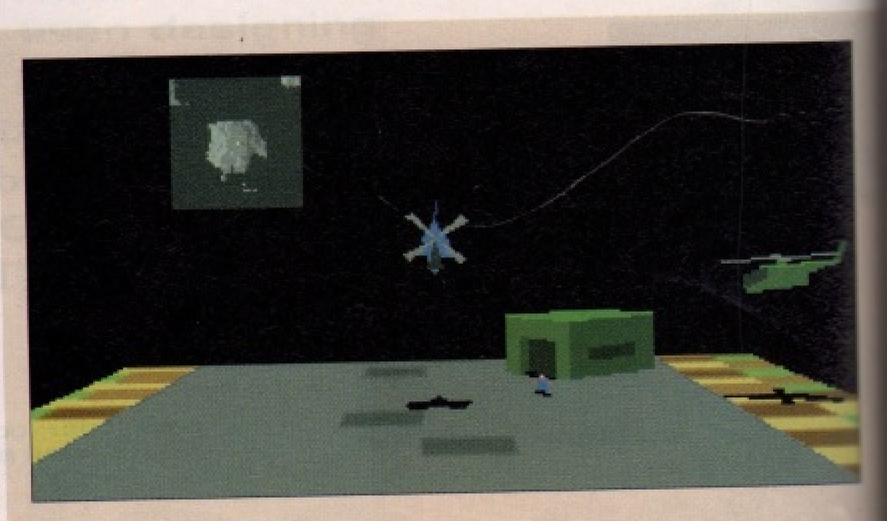
Binary Asylum

Binary Asylum quietly stepped onto the scene a year ago, coming from a mainly journalistic background, and have remained quiet until now, with previews and features on the soon-to-be huge seller *Zeewolf* appearing all over the news stands. PR man Andy Smith tells the tale, exactly how it is: "Binary Asylum was officially formed on March 1st 1993, although it had been in the planning stage for some years prior to that. Myself, Bob Wade and Andy Wilton (Binary Asylum's main team) met when we were all working on Future Publishing's ACE magazine (later owned by EMAP Images), and because we were all totally into the games scene the pub next door to Future's offices saw many a heated (and usually drunken) argument about the pros and cons of the latest batch of software.

"This was back in '88, when the first decent games were starting to appear on the Amiga and ST, and the computer games industry was starting to enjoy a bit of a comeback thanks to these more powerful machines. But all three of us were slightly disheartened because it was still rare to find a game that was actually any good and so we all thought then that what we'd really like to do is quit this magazine lark and actually produce some games that we would enjoy playing ourselves.

CAPITAL RADIO

"Unfortunately, we didn't have the kind of capital needed to start a software house at that time but towards the end of '92 the capital was there. Bob and myself left Future in early '93 and switched from reviewing games to producing them – mainly because Andy Wilton had by then been working on a 3D Amiga game



for about a year, which was good enough to convince us that we could actually make a go of *Binary Asylum*."

With their undisputed inside information, wouldn't it have been easier to go with a major company at that point? Why go it alone?

Andy replies: "Two main reasons really: money and control. When we first decided to form Binary Asylum and before we'd actually looked too closely at the costs involved in publishing a game, we rather thought that we would indeed have to sign with an established major software house and limit ourselves to being a development house. At the time that didn't sound like too bad an option – we'd develop what we thought were good games and would then let someone with more publishing experience publish the games on our behalf.

"There's nothing wrong with that route, but it does mean you're actually giving a lot of the game's profit to the software house, sure, they're taking the risk in publishing your game and they're doing all the donkey work involved in actually getting your game onto the shelves at Smiths or Boots, but if you believe your game's good and you believe that people still want to buy good games and you can afford to take the risk yourself then why not? It means, of course, that we have to spend a lot of money hiring the people we need to handle bringing the game to market, because none of us have any experience in that field – but having said that, once we've gained the experience we'll be able to do that much more and have that much more control over those aspects with our next game.



Tanks? No problem anymore with the new Tank away missiles. Simply line up and fire and it's goodbye tank blues.

IN CONTROL

"There's also the question of being fully in control of our own destiny – if we want to publish a game in the middle of July, when other software houses would rather hold it until Christmas, then we can go ahead and publish in July. If we want to market the game in a certain way and not follow 'traditional' paths then we can do that too. Being independent means that we make all the decisions and have no-one to answer to. Of course this means that if some of our decisions are wrong then we have to carry the can for them, but hopefully we'll learn from them and will be able to use our experience when we publish future games."

An idyllic situation to be in. Can it all have been so easy?

"Problems?– Very few so far. Because we'd all worked in the industry and because this was something we actually spent a lot of time thinking about, we were aware of all the pitfalls and problems that were likely to arise beforehand, and so they've been easy to deal with. Nothing ever runs as smoothly as you'd like them it to, of course, but at least if you're aware of what problems you might face and can devise contingency plans before they occur then you're going to be much better prepared should things go all pear shaped.

Advice?

"Believe in what you're doing but be realistic. Don't try to do everything if it's simply beyond your capabilities (financial or otherwise) and remember that everything takes twice as long as you originally thought it would!"

And after Zeewolf?

"Once Zeewolf has been published we'll be straight into our next project – Binary Asylum intend to release three or four quality products a year and we aim to expand very slowly. We don't ever want to get to the point where we're simply pumping out games (or products as they'd become) simply for the hell of it, or to make a fast buck. We only want to publish games that we would go out and buy and enjoy playing ourselves. Then we all want to retire and run a beach cocktail bar in the Bahamas!"

»

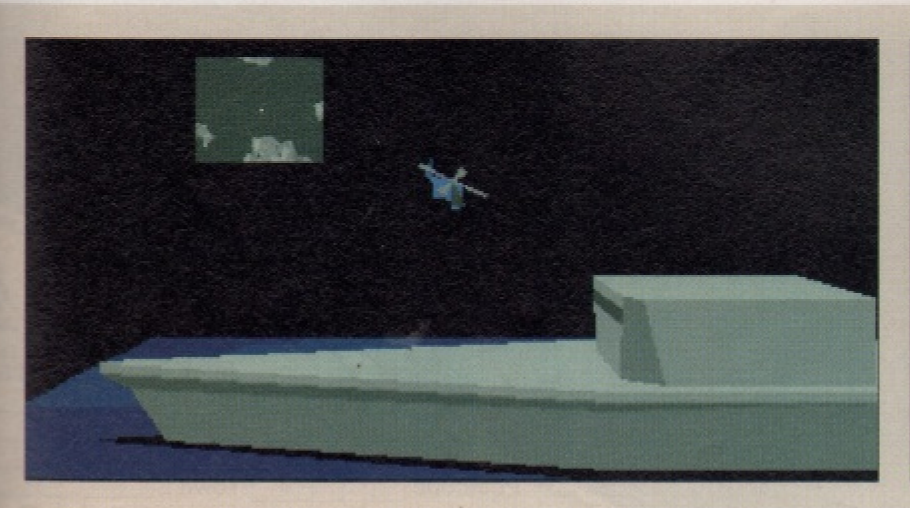


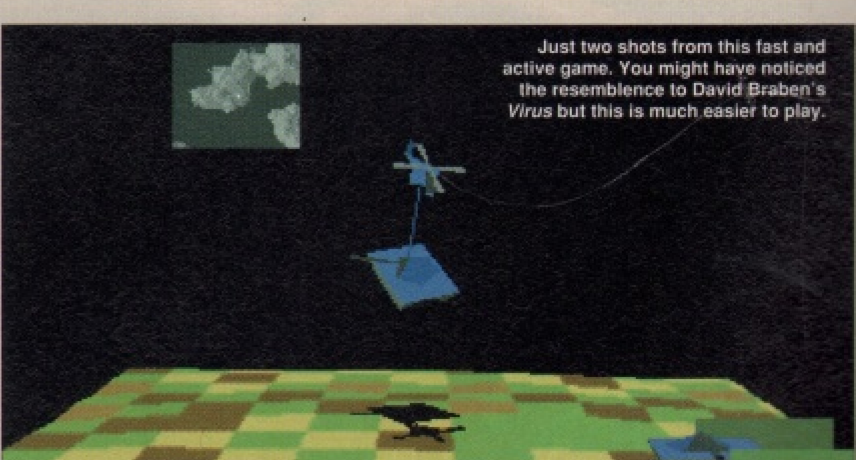
A quick tug on the rope and the tank is left hanging.

Coming Soon...

ZEEWOLF

If this game reminds us of anything, it has to be David Braben's wonderful 3D epic *Virus* (formerly *Zarch*). Like *Desert Strike* viewed from the side, the game has you doing all the things that active helicopter pilots do (rescue people destroy buildings etc) while doing all the other things that helicopter pilots do (stay in the air, for example). It's fast, it's colour, and it's pretty damn exciting looking. More soon.





Just two shots from this fast and active game. You might have noticed the resemblence to David Braben's *Virus* but this is much easier to play.



AMIGA
AMIGA CD 32
PC & COMPATIBLES
PC CD ROM
LAMBORGHINI
AMERICAN CHALLENGE
DERIVED FROM CRAZY CARS 3
THE SEXIEST CAR
IN THE WORLD,
IS NOW IN YOUR
BEDROM !
«Lamborghini is the best racing game you'll come across in a long long time. Put those orders in now.»
Amiga Action 85%
«A gem of a game... Well worth having.»
CU Amiga 88% screenstar
2 player head to head mode
TITUS
Titus Ltd.
United House, North Road, London N79DP
Phone: 071 700 21 19
RESPONSE COUPON
Name :
Adress :
Postcode
Town :
I own:
☐ AMIGA ☐ PC ☐ OTHERS :
Send to Titus Ltd. United House, North Road, London N79DP

Daze Marketing

No, don't run off screaming. These aren't the Krays, they're the boys from Daze.









Robinson's Requiem is the first 3D survival simulation and these are just some of the dangers you'll need to face.



Not all software developers need to publish the games themselves. One offshoot of the resurgence in the cottage industry has been marketing and sales teams such as The Software Business and Black Legend, who take on the work of independent developers and handle all the distribution, without the high loss of profit generally connected with majors. Daze Marketing are one of the more recent and more successful of these teams, and Richard Hennerley tells all. "Daze Marketing was launched in January 1992. I had two main reasons for setting up the company; firstly I had a personal desire to be my own boss and secondly I had, in my time in the business, identified a distinct opportunity in the market. I recognised that there was no company in the computer games industry that dealt exclusively in representing (in terms of sales, marketing and PR) the interests of overseas publishers, in the UK and territories outside their home country. It was clear that there was a great deal of talent on the continent, producing excellent games and needing the opportunity to get them across the whole of Europe. That's the opportunity that Daze Marketing offers them.

CONCEPTION

"When Daze was conceived there were other companies handling overseas developers' games but only as an adjunct to their existing publishing business. Products from represented labels got a second best service and were considered less important than those being developed in-house. Often they were simply exploited as sources of quick cashflow between releases.

"So Daze stepped in to offer a full service to foreign labels seeking a base in the UK and pan-European distribution. We concentrate solely on their needs, with no involvement whatsoever in development or other forms of publishing. The formula has proved to be an outstanding success. Over the last 2 years we have proved ourselves to be the best agency in the UK for establishing Europe-wide sales and a solid brand identity for independent labels."

So who are the wacky, short haired crew that make up Daze Marketing? Managing Director Richard Hennerley has been in the business for about seven years and has worked under the banner of both Prism Leisure and Palace Software before going it alone with Daze. PR and Marketing Manager Cliff Guy spent an equal number of years as a publicist in the book and magazine publishing industry before stepping into games publishing. The team is supported by Louise Alexander, who takes care of the accounts (in between pursuing a career as a portrait artist) and new recruit Dowan Ramanan who take on a dedicated customer support line providing one more valuable service to their clients.





Robinson has been dumped on an island with no food or means of escape.

FOLLOW MY LEADER

Anyone considering following the same road as Richard would obviously want to know what to look out for along problem street, and Henns is happy to oblige. "The ideas I had for Daze's method of operation would not have worked within a traditional publishing environment. To make the ideas work I had to branch out on my own and I wanted the independence that this would bring me. As far as problems go, there were only three. Cash, cash and cash. I was very lucky as I was backed by some kind people within the industry. If I had had to go to the banks for finance, it would have been a very different story."



A sneak look at *Ishar 3*.

Daze has a very busy few months ahead, with the release of Ishar 3 from Silmarils in May, and their ground breaking survival simulation Robinson's Requiem. They release Ascon's new footy management game On The Ball in May too along with Bloodhouse's Superstardust for CD32 and A1200 in May and June respectively.

Closing words? "We aim to continue to offer excellent representation for our existing clients as well as exploring marketing opportunities for potential new clients. Our aims are long term – to build up a successful, high-profile for our clients and their titles."

Bloodhouse



One of the fantastic funnel sequences in *Super Stardust*.

Bloodhouse are a very new label, having only released a single game so far. Based in Finland, the boys are men of few words, happier to let their games speak for themselves. I sent them a short list of questions, and they returned a short list of answers and a long list of games currently in development. Here's the lowdown as I received it:

Q: How and when did the company begin?
A: We noticed that there aren't any software publishers here in Finland. However despite that, we have a lot of talented programmers, graphic artists etc in our country, but there weren't any software houses.

So, we decided to change that, and Bloodhouse Ltd was born.

Q: What is the history of the team members?
A: Most of our members have a demo scene background. Some are just everyday video game fanatics.

Q: Why did you decide to go independent rather than work for an established company?
A: This way we can do whatever we want.

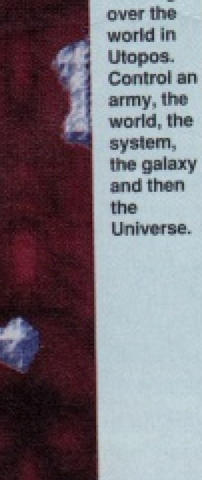
Q: What problems have you had up unto now?
A: The hardest thing that springs to mind was getting a financier.

Q: What are the plans and aims of the company?
A: We will start to support Amiga and CD32 actively, but we'll start developing games for consoles as well. Bloodhouse operates from Finland. This is a little problem, because our main markets are in UK and Europe, so we would like to establish a UK office in the future.

Short but sweet, you will agree, but to the point. Patteri Putkonen then went on to detail all the upcoming Bloodhouse products, which you'll find in the box at the bottom of this lovely page.



A shoot from *Benjamin And The Alien Incidient.*


Looking over the world in Utopos. Control an army, the world, the system, the galaxy and then the Universe.

Coming Soon...

SUPERSTARDUST

The AGA enhanced version of the superb *Asteroids* variant, the game now features 256 colours on screen at once, 48 colour tunnel sections, parallax scrolling, more sound effects and a two player mode. The CD32 version is even more enhanced, with 16-bit sound and extra levels! What more could you want?

UTOPOS

Utopos is a game that combines strategy and arcade elements. Your objective is to take over the world, first by stepping into battle yourself, and then going on to control armies who will fight on your behalf. Once you have the world under your belt, you can move on to take planets and then galaxies! The arcade segment of the game features real time calculated fractal backgrounds and a 50Hz screen update. And of course it features the high level of playability and stunning visuals that Bloodhouse are quickly building a reputation for.

AGGRESSION

An AGA only horizontally scrolling shoot em up, it features 95% ray traced graphics and up to 512 colours on screen at once. Full screen multilayer scrolling and huge sprites make use of every clock cycle on an A1200. The CD32 version will feature bigger animations and the music is played directly from the CD, making room for even better sound effects. More as we have it.

On top of that, Bloodhouse have plans for a new kind of graphic adventure 'Benjamin And The Alien Incident' and the mother of all shoot em ups 'Alien Wars'. Look out for all of these on a page near you.

To Conclude

Things will never be as easy as they were in the good/bad old days. There is still a highly competitive market out there, and although you can get success, you've still got it all against you. If you think you've got what it takes, then here's a list of the things you will need to watch out for.

1. **Money.** Even if you're coding at home, you're still going to need to pay the rent, and just sitting down and typing doesn't fill your wallet. If you can get someone to invest, great. If not, you'll going to have to work around a 'proper' job until you've got enough to go alone.

2. **Originality.** No-one is going to buy a copy of a successful game. If you've got another Alien Breed, then bin it and start again, or make it different enough to count.

3. **Planning.** When approaching a distribution house such as Daze or Black Legend, a good storyboard and game design is far more important than a demo disk with some flashy scrolling. It shows you can be organised and in control enough for them to take a risk with you.

4. **Dedication.** It takes time, and you will receive your fair share of knock backs. Skidmarks was turned down by some major distributors before Acid got it out.

5. **Your own abilities.** What are you actually capable of doing. If you can get a game together, but have no idea what to do with it then, then you are going to have to get hold of someone to market it for you. If you feel confident enough to do it all yourself, then good luck, but the buck stops with you.

6. **You don't have to do it all on your own**. If you have what it takes, but don't actually want to start up a team, you can just as easily join another, or look for freelance work. Again, it all comes down to your own capabilities. Game designers are thin on the ground, and you could be just what the doctor ordered.

What more can we say? Good luck!

SOME USEFUL CONTACTS

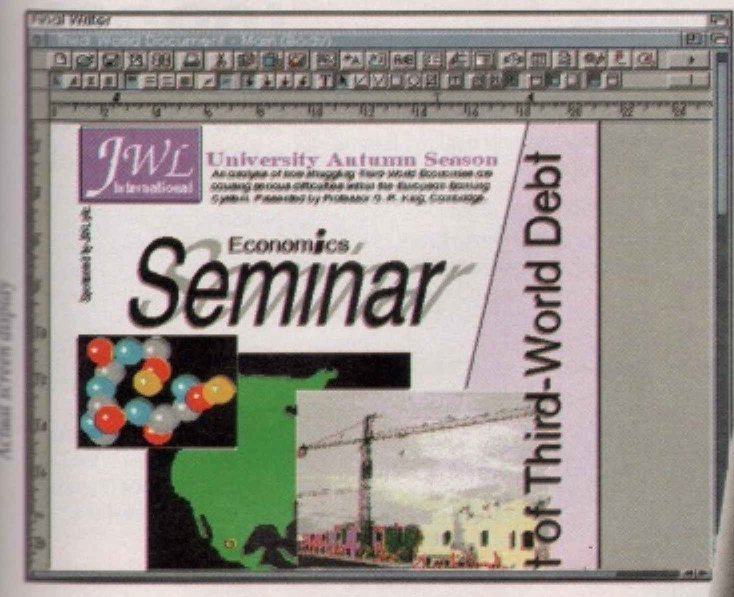
Four of the five companies mentioned are actually development teams, whereas Daze Marketing is distribution and marketing agent. If you need the services of such an organisation for your dream product then the following phone numbers might help:

Daze Marketing: Tel:071 328 2762

Black Legend: Tel:0438 840003

The Software Business: Tel: 0480 496 497

You can't use Software this Powerful, and produce Documents this Good...



Actual screen display

Unless, you buy an expensive PC or Macintosh,™ a high priced Colour PostScript™ Laser Printer, and a complex, costly Desk Top Publishing Package...



Actual printed output

If you're looking for a quality Word Processor/Publisher that performs as well as this, you may well start by searching through PC and Apple™ Macintosh™ software catalogues.

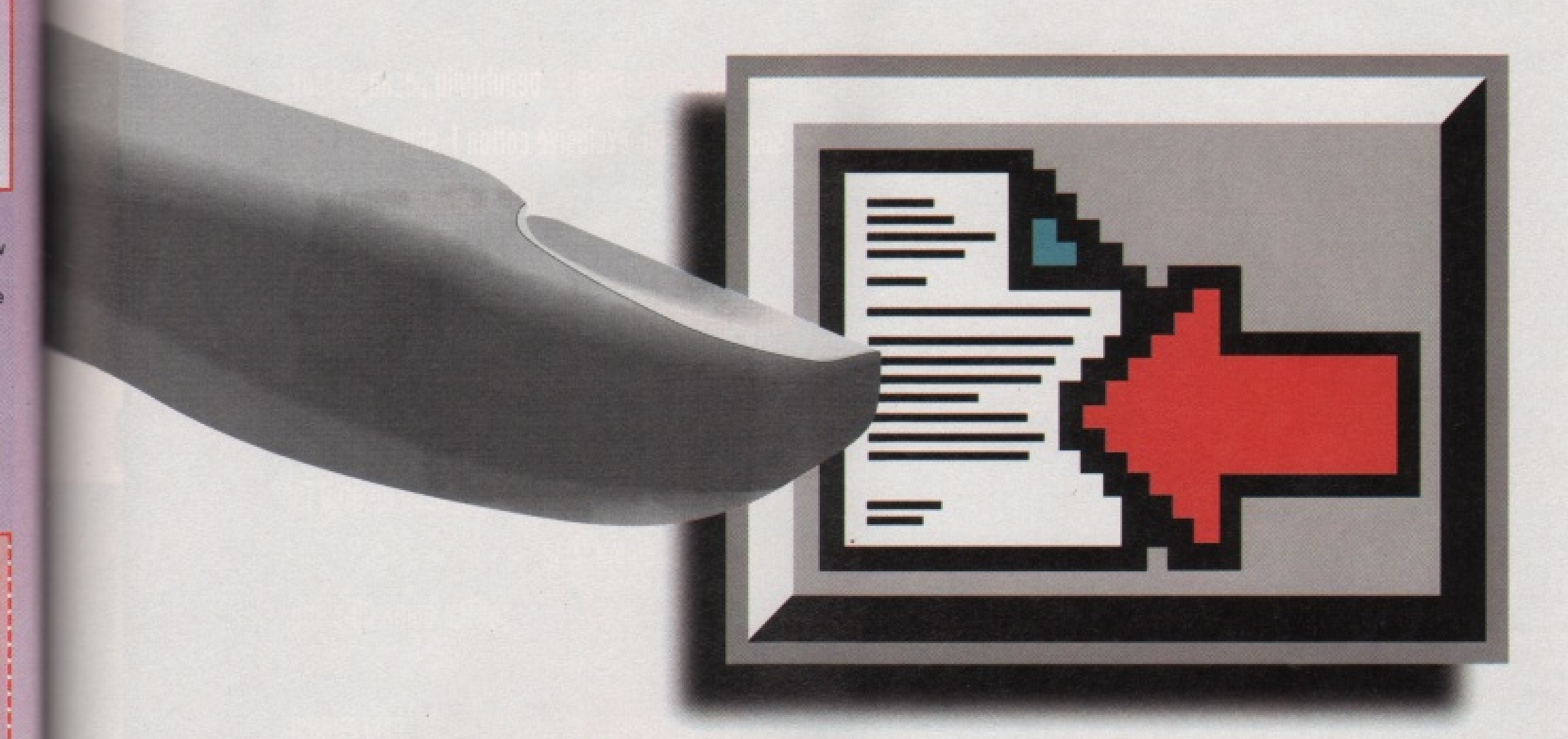
Even then though, you probably won't find a program that will combine the very best in Word Processing *and...* easy to use integrated DTP type facilities.

You certainly can't find software for your Amiga that's capable of all this...

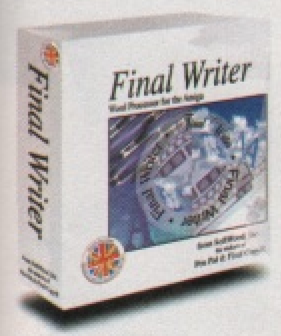
...or Can You?



You Can Now... with New *Final Writer*™



Put *Your* Finger on the Buttons of the Ultimate Amiga Word Processor



From the publisher of the acclaimed Final Copy II comes its new companion, Final Writer - for the author who needs even more! If you already use an Amiga Word Processor, it won't include the complete and comprehensive array of features found in this latest addition to the SoftWood family.

Can your Word Processor...

Output crisp PostScript™ font outlines on *any* graphic printer (not just expensive lasers), and was it supplied with over 110 typefaces? Import, scale, crop, view on screen and output structured EPS clip-art images (Final Writer is supplied with a hundred), again, on any printer? Also create structured graphics and rotate them along with *text* to any angle, giving you DTP quality presentation? Provide a huge range of printing options (eg. thumbnails, scaling, crop marks etc. on PostScript™ printers) and fulfil other advanced Word Processing functions easily such as automatic indexing, table of contents, table of illustrations and bibliography generation? With Final Writer, this is now available to you along with a list of features that just goes on and on. We know that you'll be impressed by this revolution in Amiga Word Processing, but don't be put off by it's advanced capabilities. With its complement of user definable Command Buttons and Superb Manual, Final Writer is simply one of the easiest programs to learn and use.

Adobe™ PostScript™
Superior font & graphical imaging technology.

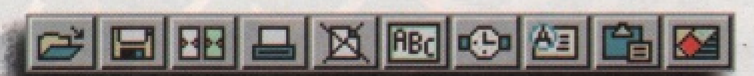
Final Writer is not just a one-off product...

SoftWood are acknowledged as the World's leading software company publishing for the Amiga and no other system. So, if Final Writer exceeds your current requirements - whatever your Document Processing needs, whatever your Amiga - SoftWood will still have the Perfect Package for you...

Pen Pal or Final Copy II and
Proper Grammar II...a Complete Range.

Once you become a registered SoftWood user, you'll gain access to unlimited *free* UK technical support (others often charge you or don't provide support at all) and preferential upgrades to future versions of these and other exciting new products being developed right now.

SoftWood



Quality software for your Amiga

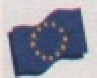
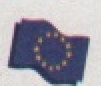
If you've outgrown your existing package ask about our 'trade up' options from your current Word Processor (other publishers' WP's are eligible too).

Please rush my personal copy of the new Final Writer & Final Copy II information pack, including samples from popular printers, and a list of stockists to... (clip the coupon or call 0773 836781 now!)

Name & Address:

please include your postcode

SoftWood Products Europe

New Street Alfreton Derbyshire DE55 7BP England
Telephone: 0773 836781 Facsimile: 0773 831040

Available from all good dealers or, contact us for a list of nationwide stockists.

All information correct at time of going to press, E&EOE. All Trademarks acknowledged. The document on the previous page was output on a low cost Canon Bubble Jet.

DIARY OF A GAME

Mindscape have recently signed the rights to a brand new, CD only, isometric puzzle game. If you thought that filling a CD was easy, then read on...



The advent of CD in the computer games industry has meant the production of larger and larger games. Most people seem happy for now with sticking on an A1200 version of a game with some digital audio to pad out the space. Some, however, want to use all that extra storage space to create huge games. Developing a game that takes up close to 600Mb is no easy task however, and many just can't see how it could be done at all. Hence this brand new section, where we chart the trials and tribulations of two ordinary blokes who want to teach the world – a bit like Esther's *Hearts Of Gold*! Over the next few months we'll take you all the way, from initial development to the final mastering of *Space Academy*, courtesy of SGA.

"Firstly, let me introduce you to the Stellar Genesis Agency. In charge of programming is I, John Jones-Steele. I have been in the industry since it



The Stellar Genesis Agency are a happy pair. John Jones-Steele (main pic) does the coding while Dave Rowe (inset) handles all the graphics and the chunky jumpers.

started, for full details see the March issue of CU AMIGA (on the *Sim City 2000* preview). The creative mind behind the Agency is David Rowe. David's background is varied, from book design and layout through strip cartoons and game cover design to contributing to the development and production of the highly successful TV series *Knightmare* (See box for more details). Dave has been producing ideas and artwork on the Amiga 500 for some time, but felt that 32 colours and floppy disks were just too limiting to consider producing a game within those constraints.

NEW TECHNOLOGY

"Enter the CD32 and AGA machines. Dave and I got together and decided that, at last, a machine was available that we could get excited about developing original games for. We needed both the 256 colours and the storage space to produce games that we ourselves would like to play. The Stellar Genesis Agency was open for business. The first problem to overcome was a communication problem. I live by the coast in Aberystwyth and Dave lives in the wilds of the Welsh mountains near Llanddewi Brefi. This is a perfect example of telecommuting. With modems and fax machines, distance is not such an obstacle. Dave can fax sketches and diagrams to me and send finished graphics by modem direct to my hard drive.

"In June of last year, we started throwing around ideas and developing themes, while continuing with the contracts we already had with various publishers. We made a decision very early on, that we wanted to use the whole CD for gameplay and relevant graphics, not to fill it up with tracks of music for padding. This obviously means more work at the outset, but we feel that CD32 buyers will appreciate games that don't look like they could have been released on floppy.

"We finally came up with an idea that we both got fired up about and put together an outline proposal to show to publishers. This is where our contact with big business began. No matter how keen a producer is, the product has to go through weeks of evaluation by production teams, marketing departments, even legal departments, before acceptance to go ahead can be given. Finally, in February this year we were given the go ahead by Mindscape to start work on our baby, *Space Academy*.

BABYSTEPS

"The first thing we have to do is produce a complete design from our rough outline. We need to produce a full script of the game detailing what will happen to the character at all locations in the game. This is a huge task. If any of you out there are thinking that you can dash off a game on the back of an envelope, forget it. Now is the time for long days, and even longer nights, putting the mechanics of our game together. It was at this stage we realised that to keep our ideas logical and linked, we would have to build models of all the locations in the game, which is the point we are at now, nailing pieces of balsa wood together to create some semblance of a game."

Next month we will detail the struggle of getting to the first milestone – the completed game design. CU

WHO'S THE OTHER GUY?

Regular readers of CU AMIGA will need no introduction to John Jones-Steele. For those who don't know who he is, here's a quick summary: John lives in Wales and has coded every single game there is for every machine ever devised, and recently won an award for converting *Alfred Chicken* to run on ERNIE, the pools computer.

The guy in partnership with him, however, is David Rowe, who might need a little introduction. Dave obtained a BA(Hons) degree in visual communication from Brighton Polytechnic, faculty of Art and Design, and went on to Southampton College Of Art to lecture in life drawing whilst establishing a career in illustration. In 1984 he gave up lecturing to pursue freelance illustration full time.

His earliest clients include Quicksilva, Melbourne House, Interface Publications, Telecomsoft, Argus Press Software, Argus Books, Mirrorsoft and Activision/Electric Dreams. Since then he has produced cover artwork for; *Populous, Populous 2, Aquatic Games, Risky Woods* and *Ferrari Formula One* among others for EA, *Shadow Of The Beast 3* and *Bill's Tomato Game*. He has also worked on characterisations for Psygnosis (*Lemmings 2*) and Millennium (*James Pond 2* among others). Clients who have been taking game graphics from him include Virgin Games, Domark, Core Design, Microprose, USD, Imagineer, Starbyte and Neo Software Produktions.

In publishing, he has created magazine covers for EMAP, Europress and Future Publishing, plus paperback covers for Transworld/Corgi, Simon & Schuster and Harper Collins. Not only that lot, but he's also done loads in the TV industry, including dungeon interiors for *Knightmare*, which was initially Anglia TV, and then Broadsword Television Productions, who then used him to produce illustrations for *The Satellite Game*, *Timebusters* and *Cyberzone*.

Both men are extremely busy all the time, so you can count your blessings that they've decided to take the time out to do this for you lot!

Hobbyte

COMPUTING
ESTABLISHED 9 YEARS

10 MARKET PLACE
ST ALBANS HERTS AL3 5DG
TEL: (0727) 856005/841396

WARNING

Due to the exchange rate, or manufacturer's changes or due to current RAM shortage, some prices may alter, either up or down, during the several weeks between going to press and the end of the month of issue. We would ask that prices be confirmed by telephone before ordering.

HOW TO USE THIS AD

Exclusively from Hobbyte, you can choose your own Amiga and software combination and still benefit from the huge savings only available from package deals.
Want an A600 pack for small children? No problem!
A professional pack for music or programming? It's up to you!

WE WANT TO BEAT ALL PRICES!
CALL US!!

OLD AMIGA TRADE-IN*

The best trade-in allowance, extra for peripherals and accessories. Trade in your old machine for a brand new A600/1200/4000/CD32 or even a PC.

After trade-in, equipment is checked and refurbished by our engineers and is then offered at bargain prices, complete with 3 months warranty.

A500s FROM £139
A1500s FROM £199

A600 SD/HD	from 159	HDs + Controllers	from 179
A3000s	from 499	GVP HDB 40/52	209/229
CDTV	179	XT/AT BBoard	50/91
A590 20/40MB	129/159		

OTHER ACCESSORIES - PLEASE ASK.
*Acceptance of pre-V2 machines may be limited

A4000/ 30 & 40

A4000/30: AGA Chip Set + 68030 processor, 68882 25/50 MHz co-processor option, 256,000 colours from 16.6M, scan doubling for flicker free display, Mouse, Amiga 3.5"/1.76 MB 3.5" drive, Hard Drive as below, Amiga DOS 3.0 system and utilities, Next day on-site warranty
A4000/40: Desktop as above, but featuring the blistering 68040 processor, with full floating point facilities.
A4000/40TW: Tower with full 040/FPW/MMU processed withSCSI II&IDE 1/Faces.

All above, full UK models with next day on-site warranty.
WARRANTY UPGRADES: Same Day Warranty £39.99
3yr Ext. Warranty £99.99

WITH FREE DPAINT IV AGA WORDSWORTH 2 AGA + DIGITA PRINT MANAGER

HD SIZE MB	A4000/30 1+1MB SUBTRACT £60	A4000/30 2+2MB STANDARD VERSION	A4000/30 2+4MB SUPER EXP. VERSION	A4000/40LC 2+2MB	/40TW 2+4MB	EXTRAS
80		999		-	-	
120/130		1059		1589	-	
214		-		1639	1989	
240/260		1129		-	[illegible]	
340		1189		-	-	
520/540		1389		1879	2279	
1GB		-		-	2579	
2.4GB		-		-	3179	

SCSI-II

1+1MB: WARNING - 1 + 1MB A4000s will not run most serious AGA s/w packages. If required, subtract £70 from 2 + 2MB prices

2+4MB: ADD £80 • ADD £80 • ADD £80
2 + 4 MB version comes with 2MB chip RAM + one 4MB chip of fast RAM, for on-board expansion to 16MB.

EXTRAS: Extra 2MB for 2+2 versions £99 • Extra 4MB for 2+4 versions £159 • 68882 copros - see "Expansion" (across) • 128MB SCSI Optical Drive for backups £599 • Microvitec Autoscan 1438 monitor recommended £290.

SEE 'EXPANSION' SECTION OPPOSITE

CD32 CONSOLE
SPECIAL

Choose any* 3 CD discs (see software section) for **£59.90** *up to £34.99 RRP each

CD32 SOFTWARE

Over 75 titles specially written for the CD32 should be in stock (phone for list), inc. Syndicate, Zool 2, Jurassic Park, Chaos Engine, many of which include a full CD music track alongside the game. About half of existing CDTV titles are compatible. CD32 will also play normal music CDs and CD+G discs

CD32 Console (with Oscar AGA, Wing Commander, Dangerous Streets, Diggers +Joypad FREE)
£279
CD32 + FMV Card as above
PLUS FREE MUSIC VIDEO DISC
£465

CD32 Standard warranty is 12 months return to base.
12 months on-site warranty £39.99
Extra 2yrs on-site warranty £69.99

AVAILABLE NOW!
Full Motion Video module for CD32 (with Free Music Video Disc) .... £189.
COMING SOON
Floppy drive, Keyboard, Mouse CD32 for A1200

A500/600/CDTV

STARTER PACK
A Must for new users!
Microswitched joystick, 10 Blank discs, 80 capacity lockable disc box, mouse mat, dust cover, Virus Killer.

A500+ and A600s come complete with mouse, modulator to connect to TV, or monitor lead as required, all cables, manuals, operating discs and utilities

	INCLUDED AS STANDARD	ALONE £	PLUS STARTER £	WARRANTY	EXTRAS
A500+ 1MB		179.99	194.99	12 months return to base	Extra 1MB £25
A500+ CARTOON CLASSICS	Captain Planet, Lemmings, The Simpsons, DPaint III*	194.99	209.99		
A600 SD WILD, WEIRD AND WICKED	Silly Putty, F1 Grand Prix, Pushover, Deluxe Paint III*, 700 Clip Art Set	194.99	209.99	12 months at home	Extra 1MB £35 • 2Mb PCMCIA £109 • 4MB PCMCIA £169 • Romsharer £45
A600 HD 20		269.99	284.99		
40		319.90	334.90		
64 EPIC PACK PLUS	Epic, Rome, Myth, Trivial Pursuit, Amiga Text, Deluxe Paint III*, 700 Clip Art Set	349.99	364.99		
85		389.99	404.99		
A600 HD 80	-	365.99	379.99	12 months return base	
120		415.99	429.99		
210		569.99	584.99		
CDTV MULTI MEDIA	Audio Discs/ CD Player, Keyb'd, Fdrive, Mouse, Remote Controller, Caddy, Welcome Disc, Fish Disc	229.99	244.99		Brickette £45
CBM 1084 SD	+ Leads	199.90		1 year	PIP Monitor to TV Converter – £99
CBM 1942	Leads. Ideal for AGA	339.99		1 year	
Philips 8833 II	Leads. T & Swivel £10	209.99		1 year at home	
Star LC100C	Top Value 9 pin colour printer	149.99	159.99	1year	
Citizen 240C	24Pin colour	252.90	262.90	2 year	

REFURBISHED UNITS ONLY AVAILABLE

Return to base HD versions are SD units fitted with top quality 3rd party drives and come with install disc + full documentation. *DPIII needs 2MB for animation on HD models.

A1200

1200 2MB	269
1200 +20MB HD	379
1200 +60MB HD	439
1200 +80MB HD	469
1200 +120MB HD	509
1200 +207MB HD	549
Extra 4MB + clock fitted	ADD £200

**CBM APPROVED HARD DRIVES
Full legal installation/utility disc and documentation and come with CBM on-site warranty service.

DON'T FORGET YOUR STARTER PACK! ADD £15 (SEE VALUE PACKS BELOW)

WITH ANY COMPUTER
CHAOS ENGINE, SYNDICATE, PINBALL FANTASIES, NICK FALDO'S CHALLENGE GOLF
ADD £19.99
OR LEMMINGS, SIMPSONS, CAPTAIN PLANET, PLUS D PAINT III & GFA BASIC
ADD £14.95

FREE WITH ALL 1200s
NIGEL MANSELL AGA, TROLLS AGA AN[D] COMPILATION PACK
4 (top games)
OR DESKTOP DYNAMITE PACK
Wordsworth 2 AG[A]
Deluxe Paint 4 AG[A]
Oscar AGA + Den[nis]
Print Manager
PLUS
4 hot list titles
ADD £49
(1200s only)

SPECIAL
Citizen ABC 24 pin colour printer with sheetfeeder and Starter Pack ....ONLY £180

HOBBYTE VALUE PACKS

Hobbyte are famous for their packs, allowing you to choose what you want, whilst still benefitting from package deal savings. Remember, a bargain is only a bargain when you like what you get! So, if you aren't Wild, Weird or Wicked, Sleepwalker sends you to sleep, Space Ace leaves you feeling ... Paradroid does worse, if Basic basically isn't you, exercise your options and get real value for money from Hobbyte

TRAMPY'S AND NODDY'S PACK

Fun and educational for 2 to 11 years
(Some help may be required)

SPECIAL WITH AMIGA £39 | ALONE £59

Noddy's Playtime OR Big Adventure OR Merlins Maths	8 magical learning games at 3 levels, PLUS Junior Art pack, keyboard overlay and map. 6 National Curriculum oriented games, stage 2, 7 to 11
The Shoe People OR Fun School 2	6 games with Trampy and friends, 6 years and under. The "Fun School" suite have won every award going. 5/6 wonderful animated games. 3 to 11 years, specify age.
Fun School 3 or 4 OR ADI Jnr Reading OR Counting	The loveable extra terrestrial entertains 4 - 7 year olds and helps towards achieving National Curriculum levels 1, 2+ 3
Deluxe Paint II + 700 Clip Art pics	Pics inc. children, Fairytale + Legend characters, Sport, Cartoons, etc.
Hobbyte Primary Educational PD Pack	Containing 10 fun while you learn games
Hobbyte 30 Easy Children's Games Pack	Simple games, or those with very easy levels. Even the youngest will be able to use some of these

SERIOUS USER'S PACK

Interested in music, programming and graphics? Then this pack is for you!

WITH AMIGA £39 | ALONE £49

Easy Amos	THE programming language. Wonderful manual is simple and entertaining - ideal for complete novices
OR AMOS Professional ADD £10 for this option	97% AF rating - the second highest rating EVER given. Learn to professionally create your own games, utilities. Loads of sample progs included
Hobbyte AMOS PD Greats	Dozens of utilities, Protracker music modules, example programmes that no AMOS programmer would be without.
Deluxe Paint III, plus 700 Clip Art pics	Create your own designs to incorporate into your AMOS progs
MIDI Recording Studio & MIDI Interface	If you have a MIDI instrument, this is everything you need to compose and edit your music
OR AmigaVision	Powerful presentation and production tool

STARTER PACK

A must for new users! All you need in one value pack

WITH AMIGA £15 | ALONE £25

10 blank discs	Make working copies of Workbench and other original applications discs as soon as you get them
Virus Killer	Check discs regularly, especially if sharing with friends
Mouse mat	Helps prevent dirt/dust collecting on mouse contacts

Plus Microswitched Joystick, 80 cap. lockable disc box, Dust Cover

HOT BUG GAMES PACK

The top-selling Hobbyte Hot Lot pack now includes the ultimate joystick !!!

WITH AMIGA £44 | ALONE £59

"THE BUG"	The only joystick ever to be given a Gold rating 92% AF, positive single-handed action, small and lovely!
10 "Hot List" Games The GREATEST!	See listing to the right for current HOT LIST, or phone for latest changes. Children's games available.
80 Prog. Hobbyte PD Greats Pack II 10 blank discs, mouse mat, 80 capacity lockable disc box, plus dust cover	Includes top games like Battlecars, Star Trek, Computer Conflict, Megaball, dozens of arcade classics, board classics and 'shoot-em-ups', Utilities, Word Processor, Spreadsheet, Database + Desktop Publisher and the ultimate virus killers - a must for every Amiga owner!

HOME APPLICATION PACK

Perfect for all Home Office needs

SPECIAL WITH AMIGA £39 | ALONE £55

Virus Killer Disk,
80 Prog. Hobbyte PD Greats Pack - see 'Hottest Lot Pack'
The Works Platinum — WP with UK spell chck, Thesaurus spreadsheet, 'Sideways' utility, database, graphics + comms module
Deluxe Paint III* with animation + 700 Clip Art pics
Digita Home Accounts — Keep track of credit card and bank accounts, budgets, etc
Any Two Hot List Titles

THE HOT LI[ST]

GREAT individ[ually] packaged ga[mes] BETTER THAN T[HE] REST !!
(previous RRPs ... £39.99 each)
ANY 10 £29.[..]
Or see packs ac[ross]

Thunderbirds (7yrs+) ‡ ...
Silly Putty - 90%+ ...
Elf/Toki/Puzznic (coun[ts] ...)
Paperboy II ‡
Die Hard 2
Colossus Chess ...
Challenge Golf
Battleships classic boar[d] ...
Graeme Souness S...
Neighbours
Frankenstein ‡ ...
Captain Planet
Silkworm Helicopter ...
Tag Team Wrestling
Edd the Duck ‡
Stack Up ‡
Lemmings 92% ...
Round the Bend
Fist Fighter
Sporting Triangles
World Cricket
Bart Simpson
Spiderman/Cptn Am[erica]
Arcade Trivia
Xenon - C+VG Game of ...
Blade Warrior - A Power... superb review...
Arnie
AWARD WINNER[S]
Space Ace, Kick Off, Pipe... (counts as 2)

‡ PARTICULARLY SU[ITABLE FOR] CHILDREN (MAY ...)
@ NOT A1200 CO[MPATIBLE]
TITLES MAY ...

STOP PRESS! DESKTOP DYNAMITE AGA PACK (SEE 1200 BOX) £79 ALONE

*DPIII needs 2MB for animation ...

NO OTHER DEALER CAN BEAT OUR CREDENTIALS

- Multi-million company with 9 years experience in Commodore product and here to stay
- Commodore trained staff are friendly and helpful and are parents, multimedia, educational, games, programming or technical specialists (usually more than one!)
- Open 9-6 pm Monday to Saturday and 10.00 am to 4.30 pm Sundays PLUS December late nights on Thursdays (St Albans only) for convenient shopping.
- Callers welcome for advice and demonstration at our 1600+ sq ft High St, Town Centre branches
- Same day despatch for most orders received by 5.30 pm; express am and Saturday services available
- Hardware carefully handled and delivered safely and reliably by caged, insured, top name courier service
- Pre-despatch testing on Amiga systems
- Free 30 day courier collection and delivery of NEW replacement.(except product with on-site maintenance)
- Hotline support and in-house engineers
- Upgrade and trade in offers to keep you up to date
- Exceptional after sales service
- BFPO and export welcome

NOT JUST ANOTHER MAIL ORDER COMPANY

For years a major player in Amiga Mail Order, Hobbyte also boast extensive expertise and experience in specification and support of multi-machine and specialist systems. Hobbyte have been recommended and trained by Commodore and successfully won major orders and support contracts from London Boroughs, MOD, educational establishments etc. We are pleased to be placed on tender lists. This expertise is available to all our customers.

CALLERS WELCOME AT OUR BRANCHES OPEN 9-5.30, MONDAY TO SATURDAY, (10-4.30PM SUNDAYS

• AMIGA SPECIALISTS • STAR GOLD DEALER • CDTV CENTRE • PHILIPS APPOINTED DEA[LER]

MONITORS/ACCESSORIES

CBM 1084SD 1084/1085 + leads 194.90
Tilt + swivel stand for any 14" monitor 12.99
CBM 1942 dual sync .28 dpi AGA monitor + speakers..339.90

MICROVITEC AUTOSCAN 1438 14" .28dp low radiation 15-40kHz for 1200/4000, infinately variable scan rates between 15KHz (default on boot-up) and 40 KHz for all AGA modes in this range.
With tilt and swivel stand..294.90
Microvitec Cub-scan .28dp for 1200/4000 as above, but 20"..1039.99
Microvitec Cub-scan .1782, 17", .27dp, 29-82 KHz horiz. scan..889.99
Adaptor for A1200/Microvitec (not required for 4000)..29.99
CBM 1936 Hi-res SVGA .28dp inc. tilt & swivel..259.99
Panasonic 1537 31-62kHz 14"..519.90
Philips Brilliance 2110 21"..1790.90
Zy-Fi Speakers..37.90
Zy-Fi Pro Speakers..57.90

FLOPPY DRIVES

Zydec 3.5 external drive, daisychain + on/off..51.50
Cumana CAX 354 3.5 external drive, beige..56.50
PC 880B with anti click + Blitz back up and virus protector, Cyclone compatible.75.99
Dual drive as PC 880B..124.99
High density 1.76MB ext. drive for any Amiga (WB 2)..98.50
High density 1.76MB ext. drive for any Amiga (WB 2) + 10 HD Discs.....104.95
Power HD internal floppy for 1500/2/3 4000..94.90
Power HD internal floppy for500/600/1200..94.90
A500 replacement internal floppy..54.99
A600/1200 replacement internal floppy..69.99

HARD DRIVES/ACCELERATORS

1500/2000

GVP HC8/80MB..239.99
GVP HC8/120MB..289.99
GVP HC8/170MB..319.99
GVP HC8/270MB..379.99
G-Force 030 40MHZ 4MB..564.99
G-Force 040 33MHZ 4MB..999.99
Spare 2MB for above..POA
Protecta SCSI 80MB HD..234.90

3000/4000

Fastlane SCSI II controller for 4000..299.90
GVP 4008 SCSI II..269.99
A4000 int. SCSI optical drive..599.90
Blank discs for above..34.95
A4000 80MB..119.99
A4000 130MB..179.99
A4000 170MB..199.99
A4000 260MB..239.99
A4000 340MB..299.99
A4000 540MB..599.99
CD SCSI opticaldrive for backups..619.90
Fitting - fitting by our engineers ADD..£15

500

A500 HD8 1MB 40MB..392.00
A500 HD8 1MB 80MB..489.00
A500 HD8 1MB 120MB..589.99
A500 HD8 1MB 213MB..693.99
A500 68882..218.99
A500 HD8 120MB..249.99
A500 HD8 170MB..299.99
A500 HD8 270MB..329.99
A500 HD8 270MB..389.99
GVP HD8 REFURBS AVAILABLE.....FROM £169
A500 20MB..139.90
A500 Internal 20MB HD..184.99
A500 Internal 60MB HD..249.99
A500 Internal 80MB HD..279.99

A500 Internal 120MB HD..339.99
Trifecta SCSI 80MB HD..289.99
A570 for 2.04 1MB 500 + *FREE* Fred Fish & Hutchinsons Encyclopaedia..98.90

A600/1200

GVP 85 MB HD 600/1200 EN..274.99
GVP 1230 030 accel for 1200..239.90
GVP1230/40MHZ/4MB 68882 Co-Pro for 1200..479.99
M1230 II 40MHz..239.90
M1230 II 40MHz 4MB..499.99
M1230 II 50MHz 4MB +MNU..559.99
Microbotics VXL30 25MHz..219.99
VXL 30 40MHz..339.99

A600/1200 HD UPGRADES

	SELF FITTING* (on-site invalidated)	CBM APPROVED FITTING** (with on-site)
20MB	89.99	-
60MB	149.99	199.00
80/85MB	189.99	239.00
120/127MB	229.99	279.00
170MB	269.99	319.00
240/250MB	329.00	499.00
INTERNAL CLOCK		POA

*with cable & disc ADD £14.99 for Hobbyte fitting
**Including FREE courier collection & delivery

1200 OVERDRIVE EXTERNAL HDs

Overdrive 35 NO HD..139.50
Overdrive 35 80MB HD..237.50
Overdrive 35 120/130MB HD..297.50
Overdrive 35 220/260MB HD..337.50
Overdrive 35 340MB HD..417.50
Overdrive 35 540MB HD..POA

AMIGA 24 BIT HARDWARE

TOASTER COMING SOON!

DCTV..376.99
GVP IV + VIU-S..965.99
GVP IV + VIU-CT..1255.99
Impact Vision 24..POA

HARLEQUIN 32 BIT FRAMEMAKER BOARD

• **16.7 million colour** photo realistic display • **real time 24 bit animation** • **Optional Alpha Channel** - superimpose high quality graphics onto live signal, or smoothly blend paint images • **Optional Double Buffering** - 2, 24 bit displays instantly available

SUPPORTS: TV Paint, Vlab, Calligari, Sympatica, Ad Pro, Real 3D + others

H1500 1.5MB..£929
H2000 2MB + Alpha..£999
H3000 3MB +D/Buffer..£1099
H4000 4MB + Alpha +D/Buffer £1279
Genlock..£199

*SPECIAL £400 OFF
*H2000 Plus ~~£1479~~
*H4000 Plus..£1149
+ HPalFX for real time adjustment of colour, gamma, etc.

AMAZING PRICE!

PICASSO 24 BIT GRAPHICS CARD + FREE TV PAINT JUNIOR..**£324.99**

PICCOLO 24 BIT GRAPHICS CARD
16.7 million colours, on-board blitter, 1MB exp to 2MB video RAM, fully programmable resolution, double buffering + multiple screen + AREXX. support. Supports leading graphics packages/applications.
With FREE TV Paint Jnr..**£379.99**

RAINBOW III 24 BIT GRAPHICS CARD + VIDEO CONTROLLER **£1489.99**
Similar to Piccolo but with 4MB video RAM, programmable resolution to 1600 x 1280, built-in video controller inc. 110MHz clock. With FREE TV Paint Jnr.

PEGGY MPEG VIDEO CARD..**£479.99**
Take 24 bit animations from disc or other storage devices and replay in real-time through the Amiga! Use integrated genlock to overlay Amiga graphics for sophisticated titling and special effects, to produce stunning promotional/training videos, or games with live video footage. Near SVHS quality, 16.7M colours, MPEG tools + library functions, 25 frames/sec playback.
YC Output module for Peggy..£129.99
MPeg encoder option for Peggy..£349.99

OPAL VISION (for 3000/4000)
24 bit board v2+ Opal Paint, Opal Presents, Opal Hotkey, Opal AminMATE..£325.00
IF YOU HAVE PURCHASED OPALVISION, YOU MAY HAVE RECEIVED VOUCHERS AGAINST THE FOLLOWING NEW PRODUCTS., WHICH WILL BE ACCEPTED BY HOBBYTE IN PART PAYMENT
Video Processor for Opal Vision WITH VOUCHERS..647.99
Video Suite for Opal Vision WITH VOUCHERS..647.99
Scan Rate Converter for OpalVision WITH VOUCHERS..647.99
Retina 24 bit graphics card + 1MB + VD Paint..329.00
Retina 24 bit graphics card + 2MB + VD Paint..395.00
Retina 24 bit graphics card + 4MB + VD Paint..489.00
V lab 24 bit real time digitiser 1200/600/500 ext..334.99
V lab 24 bit real time digitiser 1500/3000/4000 int..289.99
V Lab 4000/3000 int SVHS..334.99

FREE V lab Framegrabber with Harlequin (see above)

EMULATION

G Gate 386sx 25MHz..POA
GVP 40/4 for 1500..945.99
AT Once..214.99
386/486 Bridgeboard..POA
Emplant Deluxe..389.90

SCANNERS & DIGITISERS

Epson GT 6500, 600dpi 24 bit A4 inc. ASDG Scan s/w + cable..689.00
Epson GT 8000, 800dpi 24 bit A4 inc. ASDG Scan s/w + cable..889.90
Power Hand Scanner, 400 dpi, 64 Greyscale, V3 Powerscan software..98.90
Power Hand Scanner 4 256 Greyscale + s/w..118.99
OCR software for Power Scanner..48.50
Power Colour Hand Scanner V4..238.49
Sharp JX 100 A6 Scanner + scanlab s/w up to 18 bit..469.99
Summa Sketch II A4 with s/w/A3 Tablet Digitiser..359.99/529.99

GENLOCKS/MODEMS

Rendale 8802 (1200 compat)..139.99
Rendale 8802 FMC..159.95
Rendale 8802 SVHS/8860..469.99
Hama Genlock 292..283.90
Hama Genlock S290..689.99
GVP G-Lock..283.90
Video Pilot v330..1094.94
Rocgen+ 1200 compat..138.50
Rocgen Rockey..289.99
Supra 2400 Modem..78.95
Supra Fax Modem..148.90

SUPRA 2400+ FAX/MODEM
With 9600 Fax, 2400 Data Fax Software, Atalk 3 Comms S/W, Modem Leads & Power supply..**£148.99**

SUPRA 14440 FAX/MODEM
As above, but up to 14,400 Fax/Data..**£279.00**
Rocgen plus Rockey Bundle..**£419.99**

ACCESSORIES & DISCS

A500/600/1200 printer centre..28.99
A500/1200 control centre..34.90
A600 control centre..27.90
Brickette CDTV Joystick adapt...39.99
10 Blank DS/DD discs in box..4.99
10 Blank DS/HD discs..6.99
A520 Modulator..29.99
Alien/Batman/T2 Joystick..10.99
Bug Joystick..11.99
CDTV Keyboard..54.99
Zy-Fi Speakers..37.90
Zy-Fi Pro Speakers..57.90
50 Blank DS/DD discs..17.99
50 Blank DS/HD discs..27.99
Disc Expander..34.90

EXPANSION

A500 512k Ram Exp+Clock..21.99
A500+ 1MB exp..29.99
A500+ 2MB, exp. to 8MB..149.99
A601..37.99
A600/1200 2MB exp (card)..115.99
A600/1200 4MB exp (card)..169.99
CDTV 1MB exp + Super Agnus..157.99
A500 Rom Sharer 1.3..37.95
A500 Rom Sharer 2.04..38.95
A600 Rom Sharer + 1.3..49.95
A2065 Ethernet Card..229.95
PC1208 bare + clock..65.90
PC1208 2MB..137.90
PC1208 4MB..197.90
PC1208 8MB..396.90
MBX 1200 bare..64.90
MBX 1200 2MB..134.90
MBX 1200 4MB..194.90
MBX 1200 8MB..379.90
Amitech Hawk + clock 2MB..133.50
Amitech Hawk + clock 4MB..193.50
Amitech Hawk + clock 8MB..396.50
see below for FPU's
68882 25MHz..79.90
68882 33MHz + crystal..95.00
68882 40MHz + crystal..129.00
68882 50MHz..159.90
CBM 2.1 upgrade kit..74.99
Chip fitting and board upgrade avail., by our qualified engineers..**POA**

PRINTERS

2YR WARRANTY WITH CITIZEN

	ALONE	WITH STARTER PACK
Citizen 120+D	111.99	ADD £12.99
Star LC20	119.90	
Citizen 90 mono*	144.49	
Citizen 90 colour*	154.49	
Star LC 100 9 pin col	149.99	
Star LC200 col	184.99	
Star LC 24-20 II	218.49	
Star LC 24-100 24 pin	173.49	
Star LC 24-200	209.99	
Star LC 24-200 col	248.49	
Panasonic KXP 2123 col	179.99	
Epson LQ 100	179.99	
Epson LQ 570	249.90	
Epson LQ 870	469.90	
Epson LQ 1170	569.90	
Citizen ABC Mono	143.99	
Citizen ABC 24 pin col +s/feed	159.99	
Citizen S200 24*	184.99	
Citizen S200 24 col*	199.99	
Citizen S240*	219.99	
Citizen S240C col*	233.90	
Citizen S24x col*	325.90	
Star LC24 - 30 Col	218.90	
Star LC24 - 300 Col	275.90	
Citizen col Note. Printer II	269.90	

Starter pack: 500 Sheets A4 paper, Amiga to printer lead, Universal Printer Stand & Driver
* with Print Manager

UNBELIEVABLE INKJET PRICES!!	ALONE	WITH STARTER PACK
HP Deskjet 310	229.00	ADD £12.99
HP Deskjet 310 colour	269.99	
Epson Stylus 800	259.90	
Citizen Projet II	228.90	
HP Deskjet 510	249.90	
HP Deskjet 500col§	319.99	
HP Deskjet 550C§	459.90	
HP Deskjet 1200C	1249.90	
Canon BJ10SX Port	189.99	
Canon BJ 200	295.90	
Canon BJ 230 A3	339.90	
Canon BJ 330 A3	449.90	
Canon BJ 300	399.90	
Canon BJC 600 Col	539.90	
Star SJ 48	198.99	
Star SJ 144	419.90	
LOWEST PRICE LASER QUALITY OKI OL 400e LASER	489.90	
Panasonic KXP 4410	539.90	
Panasonic KXP 4430	659.90	
Star LS 5 laser	569.90	
HP Laserjet 4L	569.90	
HP Laserjet 4	1289.90	
Star LS 5ex 5ppm 2 bin	629.90	
Sharp JX 9500 9ppm	599.50	

PRIMERA COLOUR PRINTER

If you've admired the saturated colours of the Mitsubishi and other thermal wax printers at exhibitions, but couldn't afford the £4000+ price tag, the Fargo Primera is the printer you're looking for. Less than a third of the price of the nearest rival,
Primera offers: • Photo-quality, rich bright colours • Up to 4 times faster than ink jet • Cost per page less than ink jet. • A4, transparencies + T-shirt transfer paper printing

COMPLETE WITH AMIGA DRIVER (WINDOWS OR MAC DRIVER IF PREFERRED) AND AMIGA LEAD.......**£799.00**
PHOTO REALISTIC KIT..**£209.00**
PHONE FOR PRINT SAMPLES

§Studio driver/Utility (WB 2 & above) highly recommended ADD £39.95

SOFTWARE

GRAPHICS/CAD
Aladdin 4D..213.99
AmigaVision..17.90
Art Expression AGA..134.90
Art Dept. Pro 2.3A..129.90
AdPro Prof Conversion..48.99
Brilliance..133.90
SPECIAL £140 OFF Caligari 24..94.90
Caligari Broadcast 3..396.90
Cine Morph..29.99
Deluxe Paint IV..53.99
Deluxe Paint AGA..59.90
Disney Animation..56.90
Distant Suns..49.49
Essence..44.50
Expert Draw..39.90
Gallery..39.49
Helm..89.90
Image FX V1.5..187.90
Imagine v2..149.99
Image Master AGA..139.90
IntroCAD Plus..46.99
Morph +..138.99
Pixel 3D Pro..59.90
ProDraw 3..59.90
ProDraw 4 AGA..POA
Real 3D Classic..78.90
Real 3D v2..374.50
Scala 500 HVT..64.49
Scala Pro MM211..132.90
Scala Pro MM300 AVAIL NOV..294.90
Sculpt Anim. 4D..198.99
Spectra Colour..57.99
SYMPATICA II
H/ware..329.99
Software only..189.99
Take 2..36.90
TV Paint 24 V2.0..169.90
TV Paint Junior..179.99
Vista Pro 3..49.99
Vista Makepath..24.99
X CAD 2000..90.50
X CAD 3000..249.99
X CAD 2 to 3 upgrade..149.99
VIDEO PROD/ TITLING
Ai Video + TV Paint V2..588.90

Adorage..48.50
AmigaVision..17.90
Broadcast Titler High Res..138.90
NEW-Broadcast Titler AGA
Super High res..139.90
Broad T Font Enhancer..POA
Broad T Font Pack..POA
Deluxe Photolab..51.49
Frame Machine..329.90
Deluxe Photolab..51.49
imagemaster..159.99
Montage 24 AGA..POA
Morph+..138.99
Pro Video Plus..137.99
Scenery Anim 4..48.90
Scroller II..59.99
TV Record..189.99
TV Show Pro..51.39
TV Text Pro..79.50
Video Studio 3..115.95
Video Director..118.90
Video Effects 3D..POA
Video Master..49.49
Vidi Amiga 12 V2..74.50
VIDI OFFER - Vidi Amiga 12 with Megamix Master..£97.90
Vidi 12 Real Time..154.50
Vidi 24 Real Time..224.50
Video Timelapse VTL - creates stunning timelapse sequences - flowers opening, clouds, with sophisticated light/motion etc., record trigger inc. deck controller h/ware..329.90
Software only..189.99

EDUCATIONAL
Any Fun School 3 or4..15.99
Any ADI..16.99
Merlin's Maths..16.99
Paint & Create..16.99
Spelling Fair..16.99
Any Noddy..16.99
See also software packs

UTILITIES/LANGUAGES
AMAX II Plus..249.99
Ami back + A Tools..59.99

Amos 3D..21.49
Amos the Creator..30.95
Amos Compiler..19.49
Amos Prof...32.99
Amos Prof. Compiler..24.99
Easy Amos..22.49
Blitz Basic 2..48.90
CanDo 2.5..93.50
Cross Dos v5..29.75
CygnusEd Pro 3.5..69.75
Directory Opus 4..43.90
GB Route +..32.50
Gigamem..47.50
SAS/Lattice C..229.99
Quarter back V6..48.50
Quarter back Tools Deluxe..59.99
PEGGER - Vital for graphics-users!..79.95
Fully integrated JPEG utility gives enormous hard disc space savings - 100MB of framestores will compress to under 10MB. 'Snoop' gives JPEG capability to programmes that don't otherwise support JPEG, such as DPAINT IV AGA, so they can load + save JPEG files. Amiga DOS 2 and 3 compatible AREXX, 24 bit IFF, DCTV, Toaster and Ham 8 Support. Fast, seamless background operation.
True Print 24..47.90
VIDEO TAPE BACKUP UTILITY £57.50
Backup upto 120MB onto one 3 hour tape
Xcopy Pro..31.50

APPLICATION
Arena Accounts..82.50
Excellence 3..89.90
Final Copy V2..63.99
Final Writer..99.90
Home Accounts 2..48.90
Kind Words III..17.90
Maxiplan Plus v4..17.90
Mini Office..37.49
Money Matters..46.99
Pagestream 2.22..62.90
Pagestream v3..219.90

AF GOLD WINNER
Pagesetter 3 AGA..41.90
Pen Pal 1.5..28.50
Pers Finance Man +..29.50
Professional Page 4.1 AGA RATED as the current top DTP package by the independant magazines, 94% AF..119.49
SPECIAL ProPage 4 & ProDraw 3 -professional illustrator's Bath for ONLY..£159.99
Proper Grammer..35.90
Protext 6..109.50
Publisher..17.90
Saxon Publisher..177.95
Superbase Personal 4..78.90
Superbase Pro 4 V1.3..214.99
Typesmith..118.90
Wordsworth AGA..44.90
Wordsworth 3..POA
Works Platinum..38.99

MUSIC
AD 10 12 Studio 16 Sampler..349.95
Audio Engineer +2..189.49
Audio Master 4..41.49
Bars & Pipes 2..225.90
Clarity Sampler..124.99
Deluxe Music Const II..67.90
GVP DSS 8-PLUS..64.90
Megalosound sampler..23.90
Midi Interface..19.95
Miracle K'board/Tutor..277.99
Rombo Megamix Mstr..27.99
(see offer with Vidi 12)
Superjam..82.90
Technosound Turbo..25.50

LEISURE TOP SELLERS
Alien Breed II AGA..22.90
AV8B Harrier Assault..27.49
Battle Chess..14.99
Blade of Destiny..24.49
Body Blows Galactic AGA..23.90
B17 Flying Fortress..22.99
Campaign..22.99
Championship Manager..16.49
Elite II..22.90

Epic..*9.99
F1 Grand Prix..*24.99
Gunship 2000..24.99
History Line..21.69
Indiana Jones..23.99
Lemmings 2..18.90
Micro Machines..18.90
Monkey Island II..23.99
Putty..*12.99
Robocod AGA..15.69
Sensible Soccer..15.95
Streetfighter II..17.49
THUNDERBIRDS!!..12.99
Their Finest Hour..5.99
Trivial Pursuit..*9.99
Wing Commander..19.49
Zool..15.99
*Price applies only with Amiga hardware purchase

CDTV/CD³² DISCS
SPECIAL - ANY 3* 59.90
Loads available - Phone - inc.
Arabian Nights..11.90
Battlestorm..21.90
Case/Cautious Condor..27.90
Castles 2..21.90
•Cinderella..29.90
DGeneration..21.90
Deep Core..21.90
•Fantastic Voyage..27.90
James Pond 2..23.50
Jurassic Park..27.99
•Lemmings..8.40
Lotus Turbo Trilogy..27.90
Luna'c/Overkill..21.90
NASA Heroic Age..17.40
NOW Games 1..16.49
NOW Games 2..16.49
•Pandora 2,000 Clip Art & 99 Sounds..4.79
•Scarry Poems/Rotten Kids32.5.0
Sensible Soccer NAGA..18.90
Super Putty AGA..11.90
•Tale of Benjamin Bunny....32.50
Whales Voyage..21.90
Winter Super Sports..21.90
Zool II..21.90
• Also CDTV compatible
*up to 34.99 RRP

NO DEPOSIT CREDIT AVAILABLE (subject to status), 29.8% APR, written details on application. All major debit cards accepted, no surcharges.

NOTE SEE WARNING TOP LH PAGE

ORDERING:

TELESALES NO: 0727 856005 FAX: 0727 834944

Same day despatch for debit or credit card orders placed before 5pm subject to availability. Alternatively send cheque, postal order, bankers draft or official order (PLCs, Education and Government bodies only) to; Dept CUA, Hobbyte Computer Centre, 10 Market Place, St. Albans, Herts AL3 5DG. Please allow 7 working days for cheque clearance. Subject to availability, despatch is normally within 24 hours of receipt of cleared payment. Prices are correct at time of going to press, however, we are sometimes forced to change them, either up or down. Please check before ordering. Additional services and different packages may be offered in our showrooms, and prices may vary from Mail Order prices. Personal callers are asked to quote this ad to ensure Mail Order packages are offered.

DELIVERY CHARGES: UK MAINLAND (NOT HIGHLANDS)

Small consumables & software items	Despatched by post, please check charges when ordering
Other items, except lasers	Next day courier service, £10 per box
Offshore and Highlands	Please enquire

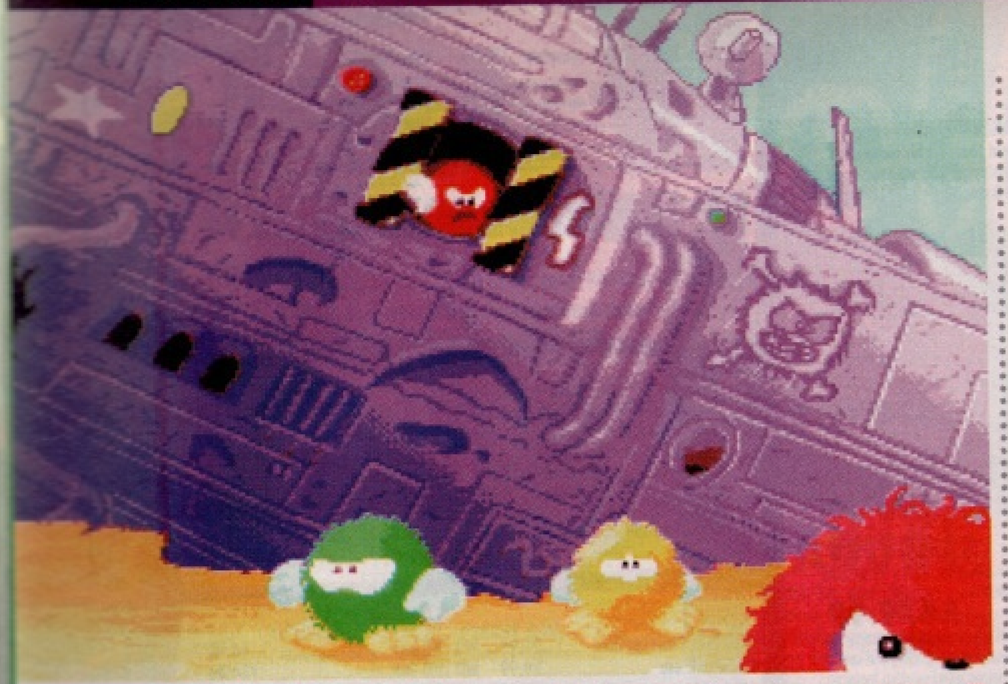
IN ADDITION WE OFFER THE FOLLOWING EXPRESS SERVICES:

Saturday deliveries	Normal rate plus £15
Am next day	Normal rate plus £8

NO DEPOSIT CREDIT FACILITIES
Credit terms at 29.8% APR (variable) can be arranged for purchases over £150, subject to status. Competitive leasing schemes are also available for businesses, including sole traders and partnerships. Just telephone for written details and application form.

• HP AUTHORISED DEALER • CITIZEN DEALER PLUS • Amiga prices, except where stated are inc. VAT. E&OE

TELE-ORDER (0727) 856005
FAX: (0727) 834944



FURY OF THE FURRIES

MINDSCAPE OUT NOW £29.99





Oh no! It's back. And I still can't pronounce the name without seeming to say something stupid. The Tinies have gone optical as Mindscape brings their latest and greatest offering to the CD32, and it's a more or less direct port from the original floppy version. To refresh your memories, the Tinies are a small band of woolly balls with legs who like nothing more than to wreak havoc whenever possible. They've been away from their home planet for quite a while now, and have returned to find that all is not well. The King has been kidnapped, and someone has used a transforming machine to turn all the other pesky little blighters into normal, respectable hairy creatures. How horrid.

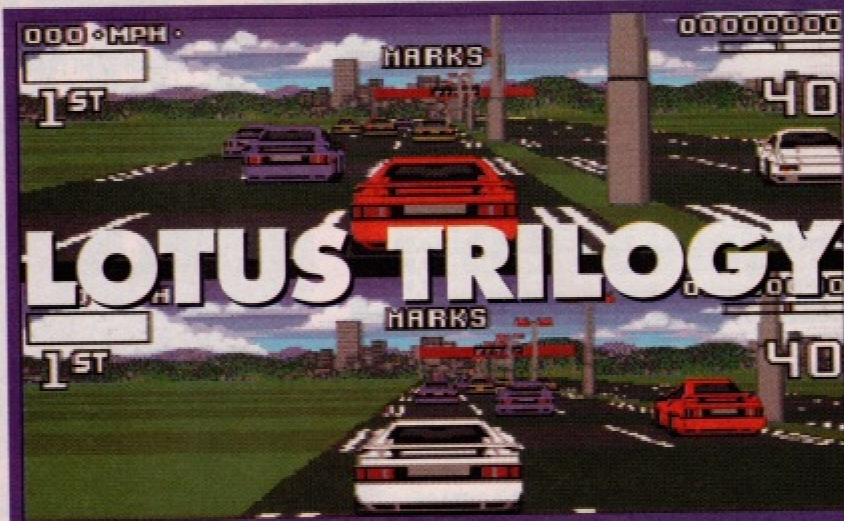
The game works as a cross between a platform game and a puzzler. Your Tiny has four different 'modes' he can operate in, and has to use a combination of them to get around each screen. A yellow Tiny can shoot fireballs, a red one can bite through rocks, a blue one can swim underwater and a green one is particularly adept at doing Spiderman impersonations. Between them they have to take on everything you can think of, from spikes to crabs to fish to... well anything really.

The first time I played this game, I must admit I found it far too slow to be playable. A couple of goes later, and I was hooked by the charismatic little chaps, who may not be the fastest things on two legs, but sure are the cutest. Fury is chock full of those 'little touches' we reviewers so love to see, which just add more to what is already a great game. This one won't leave your machine for quite a while.

Tony Dillon

83%

LOTUS TRILOGY



GREMLIN OUT MARCH £29.99

Correct me if I'm wrong, but the point of releasing a sequel to a game is usually to make it better than the previous one. So why on earth would anyone want to buy three copies of what is essentially the same game, revised twice?

Back in the early nineties computer freaks raved about the speed and instant playability of Gremlin's superlative racing sim. It set new standards in pole position racing gameology. Nothing could match the original for speed, instant playability, competitiveness and sheer fun. The only thing missing was a two player option, so that you and a friend could burn rubber in head-to-head competition.

That was soon sorted out with the legendary release of *Lotus 2*, which did everything its predecessor did, but better. *Lotus 2* introduced different tracks, weather conditions, more detailed courses, with underpasses and night time racing, plus the split screen two-player challenge.

Gremlin thought they had the super-fast, background scrolling, racing genre market sewn up, but other companies were quick to pounce on the idea. A whole spate of copy-cat racing games came out, including the *Crazy Cars* series and the more technically advanced polygon based racing sims. Then Core released Jaguar XJ 220 which achieved the seemingly impossible and conquered *Lotus 2*s until then apparently unassailable position.

Whilst Core took the money and ran, Gremlin came back with what they hoped would be the definitive version of the Lotus trilogy, *Lotus 3*.

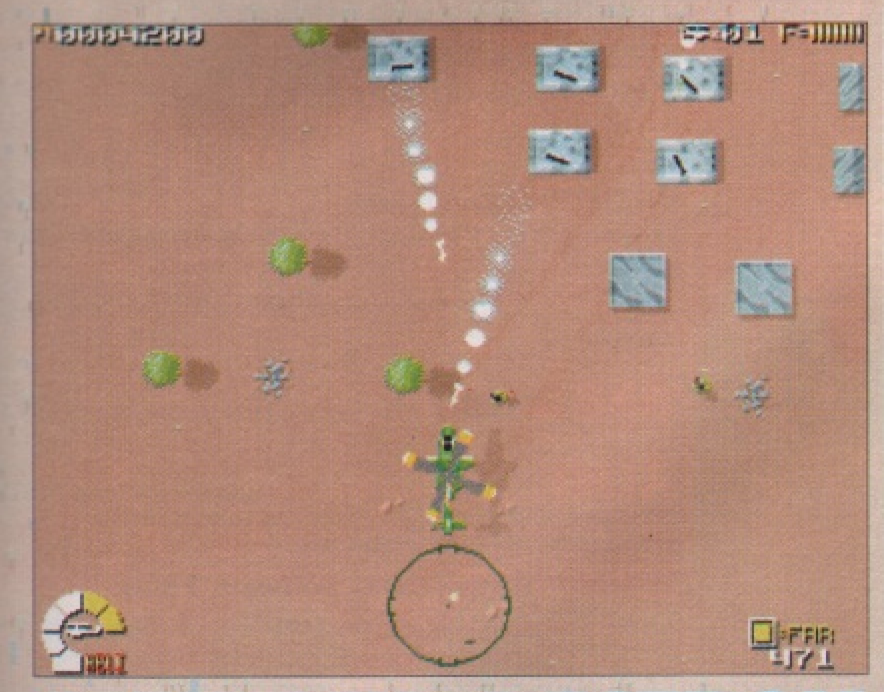
The final game contained all the essential elements of its award winning predecessors but included a fistful of new features. Weather hit the tracks in sporadic gaps, with the sun shining one minute and rain pouring down the next. Torrents of water threw up all kinds of water hazards and puddles. But the most significant addition was the track editor. After you had raced your way around the computer designed courses you could actually sit down and create your own. The system was incredibly easy to use and you could literally design a track, complete with trees, hordings, tunnels and road hazards and be racing on it within minutes!

None of these games, barring *Lotus 2*, were great advancements in gaming technology and the gimmicks were beginning to take over in *Lotus 3* (the CD is now the ultimate gimmick). Yes, they are all milestones in racing history, but, to be honest, you only really need one of them, not all three. As for the CD version itself, the graphics have been made slightly smoother thanks to faster disk access, the music's been cranked up a notch and the sound effects have all been re-sampled for more realism. There's, also none of that annoying, dodgy manual protection to wade through. A welcome addition to the CD32 catalogue, but not too exciting for those of us who've been playing them for years already.

Steve Keen

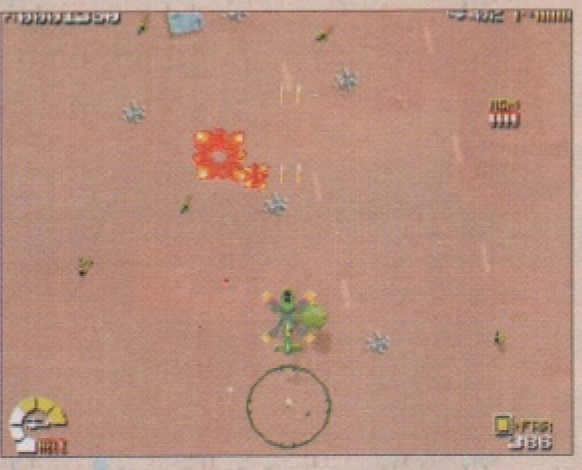
82%





SEEK AND DESTROY

MINDSCAPE OUT NOW £29.99



Praise be to Mindscape, for verily they do support the cause of the CD32 well. Yet another A1200 port here, but that's all right because it's a great game. In case you hadn't read the review a couple of issues ago, Vision Software's neat little shoot em up takes the *Desert Strike* approach to helicopter combat and stands it on its head. You fly a lone Apache chopper (as usual), over desert and sea (as before) and there's an entire army waiting to take you on when you get there (surprise surprise).

So what's new about it? The full screen rotation, really. Take *Bob's Bad Day*, and use the screen shifting routine, apply it to the whole screen, including the backdrop, and you've got *Seek And Destroy*. Though very disorientating at first, watching the whole world bend to your will is quite a pleasant way to spend an afternoon.

Not that you spend all that much time watching the world spin. You're far too busy taking out the millions of targets that make up each objective, while trying to avoid being blown out of the sky by the dozens of bullets and guided missiles shooting around at any one time. Naturally you have more than enough in the weaponry department to return fire, but you're still going to have one hell of a time keeping the bird in the air long enough to complete a mission.

I couldn't help but feel a little disappointed by the conversion though. The only real improvement is some new music, which is far from stunning and the loading times which have been decreased slightly. It's a great game, but I can't help wishing they had done a little more with it in the conversion process.

Tony Dillon

82%





TRIVIAL PURSUIT

DOMARK OUT NOW £29.99

Ask anyone what the most important release for the ill fated CDTV was, and they'll answer '*Trivial Pursuit*'. Domark made a killing many moons ago when the 8-bit versions appeared, and the advent of CD seemed the perfect medium for a trivia based game. Pulling influence from everywhere, from pub trivia machines to every game show under the sun, it worked brilliantly, providing an unrivalled multimedia experience. And now it comes to the CD32.

Don't get over excited, though. This is basically the same game as the CDTV version, with a couple of bugs fixed. Getting technical for a moment, the differing sizes in the loading buffers and some of the sound files wouldn't run properly on the CD32, so a couple of quick fixes later and, hey presto, the CD32 version is born.

So what do you get for your money? 2,000 questions, as the box so proudly shouts, 2,000 questions covering every topic under the sun, and all accompanied by full colour, generally highly misleading photographs. "Which part of the human face typically has around 550 hairs?", asks the game, showing you a picture of a man with a huge beard. Apparently there are considerably less pictures on the disk than there are questions, so it just chooses the one it finds most relevant.

The whole thing is held together by a talking cartoon bird, who introduces each question and a selection of famous personalities from history – such as Shakespeare and Einstein – who ask them. The script is almost funny in places, but due to the limiting nature of the game, you do find yourself watching the same bit of animation and listening to the same joke time and time again.

If you like *Trivial Pursuit*, of course you're going to like this. By the way, an eyebrow has 550 hairs. See what I mean about being misleading?

Tony Dillon

71%





INDI DIRECT MAIL

is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them.
A mail order purchase from INDI is a safe and secure decision and here's why. Indi is a wholly owned subsidiary of a public company now in its eleventh year of trading and specialising in the supply of computer products.
With a group turnover approaching £30 million per annum, INDI have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

No Deposit Credit 5 Years to Pay

INDI are now able to offer competitive credit facilities on all orders over £100. Payment can be over 12, 24, 36, 48 or 60 Months and can include insurance to cover repayments in the event of sickness or unemployment. All credit facilities are subject to status and applicants must be over the age of 18. If you would like a quote, simply call our sales line where acceptance can normally be notified within the hour.

Express Cheque Clearance

Simply write your cheque guarantee card number, name and address on the back of your cheque and we will normally be able to despatch your order the day that we receive your cheque.
Cheques, received without a cheque guarantee card number, will normally clear within a maximum 7 working days.

INDI TELESALES
TEL 0543 419999 FAX 0543 418079
9am - 7pm Monday to Friday
9.30am - 4.30pm Saturdays

Don't send any Money until you are 100% certain that any advertiser has the product that you want in stock and will deliver to you immediately.
Far too often we receives letters from customers who are finding it difficult to obtain a refund from an advertiser that has promised to supply but hasn't.
To give you the confidence to buy from INDI, we have joined the DMA, a very important Independent Authority that demands the highest possible standards from its members. DMA members agree to abide by the British Code of Advertising Practice and to subscribe to the Advertising Standards Board of Finance (ASBOF). Look out for the DMA Symbol. It is your guarantee signifying to the customer the truly professional edge of the Industry.

Checkout More Great Indi Deals Throughout this Magazine

£50 OFF CD 32

No deposit credit terms available



£244.99

~~£299.99~~ Commodore List Price

ONCE AGAIN INDI BRING YOU THE BEST DEAL IN TOWN WITH A FULL £50 OFF THE FABULOUS CD32. WHY SO GENEROUS? IT'S SIMPLE. THE MORE CD32 WE SELL THE MORE SOFTWARE YOU WILL BUY AND AT INDI PRICES WHO COULD BLAME YOU.

DON'T FORGET !

Amiga CD32 Comes with 4 GREAT GAMES Oscar, Diggers, Wing Commander and Dangerous Streets

PLUS ... The addictive platform game Lemmings completely FREE

AND ... CD32 will play your favourite Music CD's

ALSO ... The FMV MODULE allowing Video Movie Playback and the SXI module to turn it into a REAL Computer are only weeks away.

Amiga CD32 Software Titles

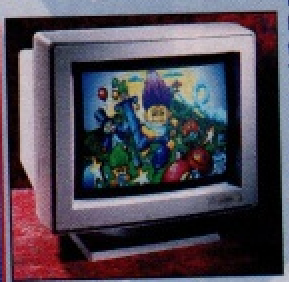
NEW Microcosm	~~£44.99~~	£32.99
Deepcore	~~£25.99~~	£16.99
Sensible Soccer	~~£24.99~~	£17.99
Labyrinth	~~£24.99~~	£19.99
Nigel Mansells World Championships	~~£29.99~~	£19.99
Morph	~~£29.99~~	£19.99
Overkill / Lunar	~~£29.99~~	£19.99
Pinball Fantasies	~~£32.99~~	£21.99
Pirates Gold	~~£29.99~~	£19.99
Zool	~~£29.99~~	£19.99
Seek and Destroy	~~£25.99~~	£16.49
Fire Force	~~£29.99~~	£19.99
Chambers of Shaolin	~~£25.99~~	£17.99
Liberation	~~£34.99~~	£22.99

DON'T DELAY - ORDER TODAY

Microvitec Multi Sync Colour Amiga Monitor

Indi are proud to announce the arrival of the latest State of the Art Dual Sync Colour Monitor from the UK Manufacturer Microvitec.
This superb monitor offers a high quality 0.28 dot pitch and low radiation total MPR-II compliance. Complete with a pair of quality Stereo Speakers and all leads this is the monitor that we have all been waiting for.

Speakers Included



£319.99

Monitor Comparison

	Size	Pitch	Input	Approval	Price
Commodore 1942	14"	0.28	Analog RGB		£349.99
Microvitec Dual Sync plus external Stereo Speakers	14"	0.28	Analog RGB	MPR II	£319.99

Add a pair of our Quality Stereo Speakers to your existing Monitor. Pack includes Stereo Speakers and Protracker V2.0 Stereo Sound Sampler for all Amigas (exc. A500) Indi Price £17.99

Zappo External Floppy Drive



You've seen all the reviews on this popular and affordable second Amiga drive. "Compatible with all Amigas Quality 9 out of 10."
Exceptional value for money.
Amiga Computing

£48.99

Sharp Monitor / TV



The superb Sharp 14" Monitor / TV provides a real alternative to a Commodore Monitor with full function remote control 39 channel electronic auto search tuning, digital on screen display and 1.5 watt Mpo audio output. All you need to know is the low low price. The Sharp Monitor / TV is the product for you complete with scart socket and connectivity cable and including 12 months Warranty. £169.99

£169.99

2 Mb Smartcard

The original and still the only fully PCMCIA compatible memory card for the A600 and A1200. Comes with lifetime guarantee. Beware of cheap imitations. INDI PRICE £99.99

4 Mb Smartcard

Same as above but maximum 4Mb.
INDI PRICE £155.99

New Low Price IDE Internal Hard Drives

Indi can now offer top quality 2.5" Internal Hard Drives for the Amiga 600 and 1200 at unbeatable prices. All drives come complete with cable and installation software.

80Mb 2.5" Internal HD's £189.99

120Mb 2.5" Internal HD's £214.99

170Mb 2.5" Internal HD's £249.99

Zappo 601

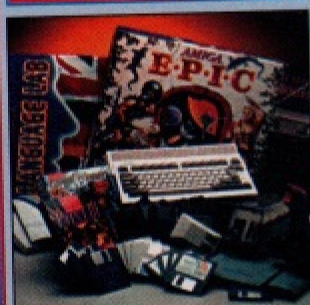
Trapdoor upgrade for the Amiga 600, 1Mb with RTC.
INDI PRICE £49.99

Zappo 601 NC

As above only 512K, no clock
INDI PRICE £29.99

DIRECT MARKETING ASSOCIATION

Amiga 600 with 30 Mb Hard Drive + 12 Months On Site Warranty



A genuinally unrepeatable deal combining an Amiga 600, 30 Mb Hard Drive and a fantastic range of games and utility software.
Trivial Pursuits - The Classic Q
EPIC - Science fiction Adventu
MYTH - Question the judgement of Gods
ROME - Capture the purple Rob the Imperial Roman Emp
AD 92 - Role playing adventure

AMIGA TEXT
A powerful word processing package simple to use but hig sophisticated you'll be amazed your professional results

DELUXE PAINT III
Movie quality animations at the p of a key, 3D perspectives and a plete set of paint tools

£265.99

TEL: 0543 419 999 FAX: 418 07

Your Imagination Is The Only Frontier

Opal Vision State of the Art Mainboard

The amazing Opal vision 24 - bit graphics board and software suite has been updated and is now even better value for money.

The software suite now includes:

Opal Paint V2.0. Now includes full magic wand implementation and Alpha Channel that allows photo compositing with selectable levels on a pixel by pixel basis. The Chrominance effect allows absolute real time control of image contrast, brilliance and re-mapping of colours.

Opal Animate V2.0 - Offering real time play back of animations created by ray tracers, landscape generators, morphers and all other 24 - bit software.

Opal Hotkey V2.0 - Display Opal vision graphics anytime with key combinations.

"Quite simply, it's a spectacular product". **Amiga Computing.**

"Undoubtedly the finest, most professional paint program to arrive on the Amiga" - **Amiga Format.**

"Professional quality at this price can't be turned away" - **Amiga User International.**

"The verdict was unanimous - brilliant". - **Amiga Shopper.**

£349.99

Limited Offer

OpalVision Video Suite

This power packed video and audio mixing, switching and transcoding device connects directly to the Video Processor. This 19 - inch rack mountable unit is so advanced that it has it's own internal computer and every aspect is software controlled for precisely timed and accurate functionality. The video suite includes a wealth of inputs and outputs. There are 9 video and 10 audio inputs available, plus the 24 - bit frame store. Professional quality video inputs and outputs are available simultaneously in RGB or Y/R - B/B - Y. Composite and S - Video. Choose and 2 sources from these inputs, assign a transition or special effect and then trigger it manually or automatically. All of the transitions and effects provided by the OpalVision Video Processor are available for use by the Video Suite. the linear transparency key (Alpha channel and transparency effects) can be taken from the Video Processor and/or external video source and/or output to another production switcher. This allows transparency control between video sources on a pixel by pixel basis. The 10 Audio inputs (five stereo pairs) are fully software sequenced with smooth fades and full, 5 band frequency equalization.

£899.99

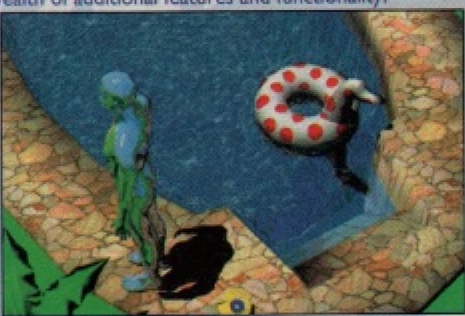
Voucher Price £659.99

*Voucher Price available to registerd OpalVision owners. Return voucher with your order.

OpalVision Video Modules

Opal Vision Video Processor

It's a high quality real time 24 - bit frame grabber which doesn't require a time base converter, it's a professional quality genlocker with croma and Luma keying. the 256 level linear transparency key allows the definition of transparency between two live video sources on a pixel by pixel basis for smooth vignettes, antialiased text and super smooth effects. Plug this card into your OpalVision main board and add a wealth of additional features and functionality.



OpalVision Roaster Chip

Included with every Video Processor, the Opal vision Roaster chip provides an endless number of user definable Digital Video Effects. Take any two video sources (or an Amiga or Opal vision generated graphic). Flip it. Scale it. Rotate it on the X or Y axis. Move it along a path. Zoom it. Move out. You have complete control. Build your own custom library of useful wipes and effects and give your videos a unique style. OpalVision is the only video system in its price class with this powerful digital video engine. You've got to see it to believe it.

£899.99

Voucher Price £659.99

*Voucher Price available to registerd OpalVision owners. Return voucher with your order.

Amiga 4000 / 030

New Low Price

170 mb
2mb Chip Ram

£929.99

No Deposit Credit Terms Available

Phone for price on Fast Ram

OpalVision Scan Rate Converter / TBC

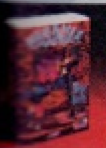
£899.99

Add this card and achieve 31 Khz, non interlaced output of Amiga and OpalVision graphics and any incoming video source in either PAL or NTSC. Includes full time - base correction of incoming video, the on - board memory also serves as an additional frame store.

Voucher Price £659.99

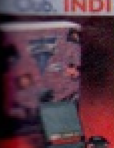
*Voucher Price available to registerd OpalVision owners. Return voucher with your order.

Rombo Audio Visual Products



Megamix. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source. **INDI PRICE £27.99**

Take Two. Animation package is a must for computer artists and enthusiasts of all ages. As used in Rolf Harris Cartoon Club. **INDI PRICE £34.99**



Vidi Amiga 12. The ultimate low cost colour digitiser for the Amiga. "the best value full colour digitiser on the market".- Amiga Format. **INDI PRICE £69.99**

Rombo Vidi Amiga 12 (RT) Based on the best selling Vidi Amiga 12. This all new version offers real time colour capture from any video source. Full AGA chipset support as standard for all A1200/A4000. **INDI PRICE £129.99**

Rombo Vidi Amiga 24 (RT)
For the more serious user, this 24 - bit version will again capture from any video source with true photo realistic images! A staggering 16.8 million colours can be utilised with incredible results. Full AGA chipset support. **INDI PRICE £219.99**

Roctec Rocgen Plus.
As above but with extra features such as tinting and signal inversion. Allows for real time editing of graphics. Compatible with all Amigas. **INDI PRICE £127.99**

Roctec Rockey.
The ultimate accessory for Amiga / Video fans. Separate RGB controls to croma key on any colour. **INDI PRICE £199.99**

Special Effects Packages

Morph Plus
You've seen Michael Jackson's video, you've seen the television adverts using the latest techniques in morphing, now you can create the same results but at a fraction of the cost. Morph Plus is the latest and the ultimate in this technology. Whether you are a professional artist or just want to experiment at home Morph Plus is a must. **INDI PRICE £119.99**

Deluxe Paint IV AGA
Combines powerful tools with an Intuitive interface so both professionals and beginners alike can get superb results quickly. New enhancements to the software include the ability to paint and animate in 4696 colours in the Amiga Ham (hold and modify) mode. New animation features also include metamorphosis allowing you to change one image into another. You determine the number of frames and DPaint does the rest. **INDI PRICE £64.99**

Art Department Professional
The ultimate in image processing providing many key benefits to AMiga users working with pictures. With ADPro you can read, write and convert between most common image file formats with unmatched flexibility. Full support for JPEG images makes it possible to maintain an image library in full 24 - bit colour without needing massive hard drive storage. Typically a 600Kb image can be compressed down to 40Kb!!! **INDI PRICE £132.99**

Real 3D V2
Is a full featured 3D animation modeling and rendering program. With Real 3DV2 you can produce high quality images and animations of three dimensional models with an astounding level of realism. Imagine creating an animation that shows a handful of balls bounce down a flight of stairs to the bottom. Gravity, collision, deflection and the elasticity of the balls are all automatically calculated by the program. **INDI PRICE £359.99**

Brilliance

"Brilliant " Graphics Paint Package " In terms of design and user specifications Digital Creations really seem to have done everything right. Effectiveness..." 99%.
"I really can't fault the end results" - **CU Amiga Review**
INDI PRICE £99.99 ~~£149.99~~

Final Writer

The most powerful word processor to grace the Amiga...90% - **CU Amiga**
INDI PRICE £99.99 ~~£129.99~~

Final Copy 2

"About as close to being a desktop publisher as a word processor dare go" - **CU Amiga**
INDI PRICE £62.99 ~~£99.99~~

Amiga Software Bonanza

Ryder Cup Golf ~~£25.99~~ **£16.99**
Take your place amongst the Elite for the Greatest Golf Tournament of all time

Body Blows Galactic ~~£29.99~~ **£19.99**
This is one war that won't be over by Christmas

Settlers ~~£34.99~~ **£22.99**
Medieval fun as you build your own town

Simon the Sorcerer ~~£39.99~~ **£22.99**
Magic has never been so much fun in this world of wizardry

Chaos Engine ~~£25.99~~ **£16.99**
Save the World dominated by the Chaos Engine

Cool Spot ~~£29.99~~ **£19.99**
Be the coolest spot around in this top class platform game

Micro Machines ~~£25.99~~ **£16.99**
Race around your own home with these Mini Marvels

Zool 2 ~~£25.99~~ **£16.99**
He's back! Guide your hero through his toughest test yet.

Alien Breed 2 ~~£26.99~~ **£17.49**
Excellent space age shoot 'em up

End Of Line Products

We have a limited quantity of product that we must clear, so check out these crazy prices.

Rom Sharer and 1.3 Kickstart Rom
Have you bought an Amiga 600 or 1200 and can't run your old Amiga 500 1.3 games, here's your Solution.
INDI PRICE £24.99

Roctec RocKnight
A virus can be very expensive, so why not protect your Amiga A500 / 600 or 1200 with this great Anti-Virus unit. Fits between your floppy drive and Amiga.
INDI PRICE £2.99

Amiga 500 Power Supplies
Very expensive when you can get therm, so here's a once only chance to solve a problem at a crazy price.
INDI PRICE £29.99

TEL: 0543 419 999 FAX: 418 079

EXPLOSIVE DESKTOP DYNAMITE DEAL FROM INDI !!

AND NEW LOW HARD DRIVE PRICES

FREE
2 CLASSIC GAMES



THIS MUST BE THE BEST VALUE DEAL EVER AND NOT SURPRISINGLY IT'S INDI THAT SHOWS THE WAY. THE GREAT VALUE **DESKTOP DYNAMITE PACK** WITH OVER **£300** OF **FREE** SOFTWARE **PLUS** 2 NEW CULT GAMES **PLUS** A NEW LOW LOW PRICE

BATMAN RETURNS New Game

You may choose from many different roles from explorer to assassin, from stockbroker to trader. Battle with pirates across a galaxy of different worlds, trade or smuggle goods or become a pirate yourself. the goals to aim for are endless, the game is completely open ended.

£29.99 "The ultimate in space adventure Frontier is the important step forward from this decade" - CU Amiga 97%

FRONTIER ELITE II New Game

A massive 2 disk program from the first film simulation. Vastly different to the console version with vivid scenes straight from the hit movie. Batman has returned in style. **£29.99**

Desktop Dynamite Pack



NEW Low Low Price

A1200 STANDARD FEATURES
* 68020 Processor * PCMCIA Slot * 2Mb Chip RAM * 3.5" Internal Floppy Drive * AA Chipset * Built in TV Modulator * Alpha numeric Keypad * 12 Months at home maintenance.

FREE
* Wordworth AGA * Print Manager
* Deluxe Paint IV AGA * OscarAGA
* Dennis The Menace AGA * Elite II & Batman Returns

£319.99

Hard Drive Options inc. Batman returns /Elite II

85 Mb Hard Drive Pack	£509.99
120 Mb Hard Drive Pack	£539.99
170 Mb Hard Drive Pack	£579.99

12 Months At Home Warranty from ICL

New Desktop Dynamite Pack with FREE Classic Games and a Professionally fitted Hard Drive Option

Desktop Dynamite Panasonic Colour Printer Pack

The Superb Desktop Dynamite pack

PLUS

The Best Selling **Panasonic KX - P2123** Quiet Colour Printer with **FREE** Dustcover

PLUS

Gametek Frontier Elite II and Batman Returns

PLUS

Amiga Challenge: International Sports Challenge, Paradroid 90, Cool Croc Twins

£499.99

ICL AT HOME

New Low Price Hard Drive Options

Desktop Dynamite Colour Printer Pack with fitted Hard Drive.

85 Mb Hard Drive Pack	£679.99
120 Mb Hard Drive Pack	£719.99
170 Mb Hard Drive Pack	£749.99

12 Months At Home Warranty from ICL

AMIGA 1200 DRIVES FITTED BY ICL

"We'll pick it up from your home, bring it back in 5 working days, give it 12 months on site warranty and that's just the beginnin

When the time comes that you just have to fit a Hard Drive to your Amiga 1200 it is important that your Amiga is handed by th experts. ICL are a Giant International Computer Manufacturing and Repair Company and have been chosen by Commodore as th authorised warranty company for Amiga products.

Through INDI the Nationwide resources of ICL will guarantee that your Amiga is treated with the care and expertise that it deserves. But that is just the beginning, your new hard drive will be given a full 12 months At Home Warranty cover. Yes if there warranty problem then ICL will come to your home and fix it.

Of course what's the point of having at home cover on your Hard Drive and not on your Amiga. So as part of the deal ICL will ad further 12 months at home cover to your Amiga completely FREE

DOOR TO DOOR 85Mb HARD DRIVE ENHANCEMENT SERVICE £239.99
DOOR TO DOOR 120Mb HARD DRIVE ENHANCEMENT SERVICE £279.99
DOOR TO DOOR 170 Mb HARD DRIVE ENHANCEMENT SERVICE £319.99

Complete with 12 Months At home Service through ICL

*Amiga 1200 must be in full working order.

EXTENDED WARRANTY ON COMMODORE PRODUCTS 'FOR PEACE OF MIND'

For as little as £39.99 ICL the major European computer giant are able to extend the At Home service on most new Commodore Products to a full 3 years. ICL are the main authorised Commodore Warranty Company and can offer a variety of warranty options to suit all needs. Why not call for details.

WARNING

Some advertisers are fitting 3.5" drives to the Amiga 1200. The Amiga was never designed to accept 3.5" drives and fitting one totally invalidates any Commodore Warranty. Indi only offer official 2.5" IDE drives officially accepted by Wang, ICL and Commodore.

Amiga 1200 / 030 Desktop Dynamite Superfast Digitiser Pack

Add a high performance 4Mb 32 bit RAM expansion board with a 20 MHz Floating point unit to an Amiga 1200 and you have some serious performance potential. Include a Rombo VIDI Amiga 12, The Worlds Best Selling digitiser - and Image Capture, Animation and Image Processing is all within your grasp. Mono Images are captured in real time, colour images in less than a second.

Amiga 1200 Digitiser Pack	85 Mb Pack	£759.99
Amiga 1200 Digitiser Pack	120 Mb Pack	£799.99
Amiga 1200 Digitiser Pack	170 Mb Pack	£824.99

A1200 Microbotics Memory Expansion Boards and Acclerators

Do you want your Amiga 1200 to have more memory or to go faster by simply fitting a board into the external trap door! Microbotics have an extensive range of products with the immense benefit of 'Chipup' technology. Most boards have soldered chipsets which do not allow expansion beyond your initial purchase. Microbotics products allow you to add extra memory as your computing skills grow and new software arrives demanding even more memory.

SCOOP PURCHASE

MBX 1200Z - 4Mb 32 BIT RAM + 20 MHzFPU

This high performance 32 bit RAM expansion board is easily fitted into the trap door of your A1200 giving you an instant increase in performance, allowing you to ray trace or render images, to load large images and animations, to record longer sound samples, or even grab more images all at an amazing speed.

£199.99 SAVE £50

Memory Expansion Boards

Speed	4Mb	8Mb
14 Mhz	£247.99	£447.99
25 Mhz	£307.99	£517.99
50 Mhz	£377.99	£577.99

Accelerator Boards

Speed	4Mb	8Mb
40Mhz	£365.99	£595.99
50 Mhz	£475.99	£709.99



TEL: 0543 419 999 FAX: 418 079

Amiga 1200 / 030 Desktop Dynamite Professional Pack

"Approx 1.5 times faster than an A4000/030

This is the ultimate power configuration, if your dream is to own the quickest A1200 ever then take a look at this specification: *Amiga 1200 *2Mb Chip an 2Mb Fast RAM (Expandable to an Amazing 128 Mb!!)
* Microbotics M1230 XA W/50MHZ MMU (Approx 1.5 times faster than an A4000/030!!) * 12 Months at home Warranty * Choice of hard drive capacit Optional 50 MHZ 68882 FPU Maths Processor.

85 Mb version	£869.99
120 Mb version	£899.99
170 Mb version	£929.99
68882 50 MHZ FPU	£132.54

1/2 Price Games Optio
Add Batman Returns and I II for £29.99

PANASONIC KX - P 2123

Colour Printer plus Wordworth or Batman Returns / Elite

for ONLY **£179.99** when purcha with Professi or digitiser P

No Deposit Credit

Indi are now able to offer Competitive Credit Facilities on orders over **£100** subject to status. Payment can be over **14, 36, 48 or 60 months** and can include insurance to co repayments on the event of sickness or unemployment. W not ring for a quote. Sameday response.

Panasonic

UNREPEATABLE!

Colour Printer Deal !!

DON'T JUST TAKE OUR WORD FOR IT CHECK AROUND!!

OUR BUYERS HAVE DONE IT AGAIN, THE TOP QUALITY ***PANASONIC COLOUR PRINTER*** *AT AN UNREPEATABLE PRICE. THIS IS A ONE OFF DEAL AND CANNOT BE REPEATED SO* ***YOU MUST TELEPHONE TO CONFIRM THAT WE STILL HAVE STOCKS***



Panasonic KX - P2123

Fast Printing Speeds	192 CPS draft, 64 CPS LQ and 32 SLQ.
Colour Printing	7 Colour palette (blue, red, green, yellow, violet, magenta, black)
Quiet printing	Super quiet 43.5-46 dBa sound level (most matrix printers are typically in excess of 60dBa)
7 Resident Fonts	Over 152,000 type styles using Super LQ,Courier Prestige, Bold PS Roman, Script and San Serif fonts.
24 Pin Diamond Printhead	High performance and high quality output.
1 year Warranty	for total peace of mind

With Free Wordworth or Batman Returns / Elite II



-DUSTCOVER
-COLOUR RIBBON
-BLACK RIBBON
-INDI SOFTWARE OPTION

WORDWORTH OR BATMAN RETURNS / ELITE II

SALE ~~£209.99~~ **£189.99**

FIRST COME FIRST SERVED

Panasonic KX - P4400

NEW

New Ultra - Compact LED Page Printer Announcing the Panasonic KX - P 4400 LED Page printer, the printer that fits virtually anywhere. Ultra small foot print (12.7cm X 38.1cm ex trays) and under 6.5 kg, this printer travels with you.

* 4 pages per minute of crisp, 300 dpi laser quality output.
* 100 sheet, multi purpose paper tray (A4, letter, legal and executive)
* 28 internal bitmapped fonts
* HP laserjet series IIP
* 1 Mb Ram expandible to 5 Mb
* 1600 copies per toner.
* 1 Year On Site Warranty

SAVE £87

~~£587~~ **£499.99**



Panasonic KX - P5400

Adobe Postscript LED Page printer now available. Specification as above plus * 2 Mb Ram standard * Adobe Postscript level 2inc 17 Adobe Fonts * Optional AppleTalk interface available

£799.99

Panasonic KX - P2023



Quiet printing	46.5 dBa standard mode. 43.5 dBa super quiet mode
On screen set up disk	Including printer driver for Windows 3.1
Fast Printing Speeds	192 CPS draft, 64 CPS LQ
4 Resident Fonts	Courier, Prestige, Bold PS and Script
2 Paper Paths	Top and Rear
1 year Warranty	for total peace of mind

Recently reviewed by Amiga Format *A fine 24-pin dot matrix printer at a reasonable price. Buy from **INDI AND SAVE OVER £72**

Buy this superb printer for just £144.99 AND whilst stocks last we'll send you a voucher for a free auto cut sheetfeeder **WORTH A FURTHER £89.**

~~£217.00~~ **£144.99**

FREE SHEETFEEDER

Printer Accessories

Printer Dust Cover
ecially tailored quality dust cover for the asonic KX-2123 printer
DI PRICE £8.99

Printer Stand
iece printer stand
DI PRICE £9.99

Paper Pack
00 sheets of quality A4 paper
DI PRICE £9.99

Continuous Paper
00 sheets 1 part listing paper
DI PRICE £19.99

Parallel Printer Cable
be used when connecting Amiga to asonic printers
DI PRICE £8.99

Panasonic Colour Ribbon
lour ribbon for KX-P2123
DI PRICE £12.99

Panasonic Black Ribbon
k ribbon for KX-P2123
DI PRICE £6.99

Panasonic KX - P1170



This quality 9 - pin mono dot matrix printer represents excellent value for money.

* Push, pull tractors
* Fast Printing Speeds
* 4 Resident Fonts
* 3 Paper paths
* 1 Year Warranty
* Paper parking
  192 CPS draft, 38 CPS NLQ
  Courier, prestige, bold PS and sans serif
  Top, bottom and rear.
  For total peace of mind

~~£217~~ **£119.99** SAVE £97

KX-P4410 Laser Printing KX-P4430

KX-P4410

* 5 pages per minute
* 28 resident fonts
* Optional 2nd input bin (total printer capacity 2x200 sheets)
* Low running costs
* Parallel Interface
* Optional memory expansion to 4.5 Mb (0.5 Mb as standard)
* HP laserjet II emulation
* Including Superprint

New Low Prices!

£449.99

SAVE £289

Whilst Stocks Last

Panasonic 2 YEAR ON-SITE WARRANTY



KX-P4430

* Satinprint (optimum resolution technology)
* 5 pages per minute
* HP laserjet III emulation, PCL 5
* 8 scalable fonts. 28 bitmap fonts
* Optional 2nd input bin (total printer capacity 2X 200 sheets)
* Optional memory expansion to 5Mb (1Mb as standard)

New Low Prices!

£649.99

WORDWORTH AGA COMPLETELY FREE WITH LASER PRINTERS

Indi Direct Mail Customer Charter

DI DIRECT MAIL is original and very exciting. Before you buy mail order you must first be fident that you will receive the product you've ordered and that the supplier will still be there in the ure, should you need them.

mail order purchase from INDI is a safe and secure decision and here's why. Indi is a wholly owned idiary of a public company now in its eleventh year of trading and specialising in the supply of puter products.

a group turnover approaching £30 million per annum, INDI have the resources and the chasing power to offer you the best deals, deliver them next day nationwide and always be around you need us.

No Deposit Credit

are now able to offer Competitive dit Facilities on all orders over £100 ect to status. Payment can be over 12, 36, 48 or 60 months and can include urance to cover repayments on the event sickness or unemployment. Why not ring a quote. Sameday response.





DIRECT MAIL recognises all Trade Marks and Copyrights All prices are correct at time of going to press. E & OE.

EXPORT NUMBERS
TEL: (44)543 419999
FAX: (44)543 418079

INDI DIRECT MAIL
1 RINGWAY INDUSTRIAL ESTATE,
EASTERN AVENUE,
LICHFIELD STAFFS. WS13 7SF





Please send 1)..
2)..
3)..
Price.................... + Delivery
I enclose cheque/ PO for £............or charge my Access / Visa CU0494
No..................Expiry....../....../......Signature........................
Name..
Address..
....
Postcode........................Daytime Tel........................

TEL: 0543 419 999 FAX: 418 079

SCREEN SCENE

Oil your joysticks, get your trigger finger ready and prepare to be knocked into the middle of next month with the fastest and most vibrant review section on the planet. Or settle down for a good read.

A CU Screen Star is for games scoring 85%-92%. If a game gets one of these, it'll be of lasting quality and you can rest assured that, if you decide to purchase it, you won't be wasting your money.



93% and a game's worth a Superstar. We hardly throw them around, but if a game gets one it'll be completely outstanding.



FIRST

Fancy a bit of foresight? This is the place to be. You couldn't see any further forward if you stood on Mount Everest with a pair of binoculars!

WORLD CUP USA 94



US GOLD

THE GAMEPLAY: It's an arcade football game. What did you think it was going to be? Of course, this one stands out from the current crop of football games in that it is the only one officially endorsed by the World Cup association. A top view game, in the mould of so many before it (*Kick Off, Sensible Soccer*), you can play any of the teams from the World Cup line up, plus all the other options you would expect to see here.



Hot goal mouth action and a nicely chequered pitch. What more could you ask of a football game?

BEHIND THE SCENES: The game has been coded in-house.

WHAT'S NEW: It's quite hard to say at this stage. This type of football game has come so far in the last couple of years that it's difficult to find anything new to add to it.

Hey, it's a very big ball guys!

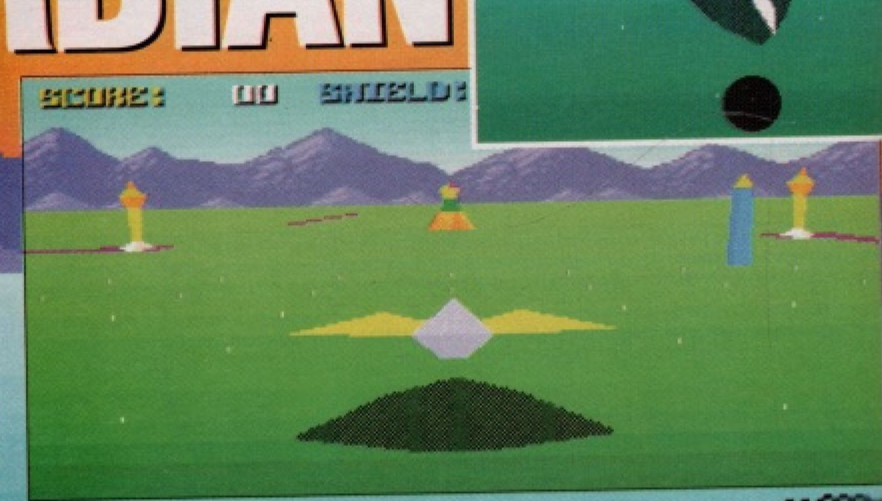
FIRST IMPRESSIONS: It looks marvellous, but the proof of this kind of game is always in the playing. We'll have to see it running properly before judgement is passed.

However, it does have the official World Cup seal of approval so it must have something fairly special up its sleeve. Full review soon.

GUARDIAN

ACID SOFTWARE

THE GAMEPLAY: Take *Defender*, mix in a touch of the the Super Nintendo classic, *Starwing* and you've got some idea of what *Guardian* is like. Acid Software, the company that wowed the world with a PD version of *Defender* look as though they're about to hit the nail on the head again. Originally mission based, that idea went out the



Does this look familiar? It should to those who like looking through SNES magazines. *Guardian*, originally titled *Sibwing*, is proof that we don't need Super FX chips!

IMPRESSIONS



THE GAMEPLAY: A mammoth tactical strategy wargame, in which the player has to defend the Earth against alien invasion: In the year 1999, sightings of alien craft have increased dramatically, as have stories of alien violence. It is time for the world to strike back.

BEHIND THE SCENES: *UFO* has been designed and coded by the Gollop Brothers, Julian and Nick, who together make up Mythos Software, formerly Target Games. To refresh your memory, they were responsible for the smash hit *Laser Squad*, of which this game was originally meant to be a sequel

WHAT'S NEW: The semi-random scenario generator. In the original Laser Squad you had a small selection of missions. This time however, each mission is randomly built from a series of blocks. Therefore every time you play it, it's different.

FIRST IMPRESSIONS: I was a big fan of *Laser Squad* and its predecessor, *Rebelstar Raiders*, so naturally I'm dead keen to see this.

It looks great, although somewhat larger than *Laser Squad*, I hope it doesn't lose the charm of that terrific Spectrum game.

The four towers in the first section need to have their power cut off before you can consider taking them on.

window in favour of a more standard blast 'em up, based on reflexes rather than thought.

BEHIND THE SCENES: The game has been designed, coded and drawn by Acid's Mark Sibly, the mean axe-swinging Kiwi behind *Blitz Basic* and *Blitz Basic 2*. Mark realised that the A1200 and CD32 were easily capable of coming up with a Starwing beater, and so he set out to prove it.

WHAT'S NEW: The stunningly smooth animation, the hundreds of colours, the unique control method – more or less everything really. There isn't a game like this on the Amiga, unless you count more serious interpretations such as Ocean's EPIC or the old classic *Starglider 2*.

FIRST IMPRESSIONS: I was impressed when I first saw Guardian, but now I'm flabbergasted. Even at this early stage, it's completely playable and very entertaining. Acid have a sure fire winner on their hands with this one, we'll have more news on it soon.



SOCCER MANAGER

THE SOFTWARE BUSINESS

THE GAMEPLAY: A football management game, as if you couldn't tell from the title, you have to (as always) take a nobody team from the bottom of the lowest division there is, and make them the Premier League champions. As manager, you also need to look after finances and ground improvements, team training and everything else. It's a busy job.

BEHIND THE SCENES: The game is being pieced together by Teque for Imagine, Home Entertainment's new software arm. Keith Waddams is the man responsible for the impressive game design, and he is confident that this is the managerial game to end all managerial games.

WHAT'S NEW: Surprisingly, quite a few things. For a start, your manager actually gets older and finally retires when he reaches 55, so you're limited in the amount of



time you have to get your team to the top. Also, the game features a very subtle tactical editor, that will apparenty make a real difference to how the game plays and your overall chances of winning.

FIRST IMPRESSIONS: If it plays as well as it looks and sounds, then this could be a refreshingly new departure in management games. However, there is always a chance that the tactical side to the game will be so subtle that it doesn't actually show. That aside, it's looking good.

HANGING WITH

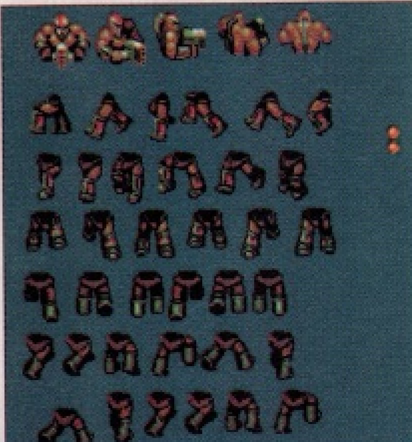


Core Design readily admit that 1993 wasn't an Amiga year. But what's in store for 1994? Tony Dillon gets knocked out by the sheer number of products nearing completion.

Core Design are back with a vengeance, and Derby will never be the same again. Yes, '93 was a quiet year for them as far as the Amiga went, choosing to concentrate their efforts mainly on the console side of development, but now they have returned to the fold, and things look bigger and brighter than ever. As you can see from looking around these two pages, there is a lot on offer this year, and all of it looks stunning.

Shall I waste some more time, or do you just want to hear about the games?





A lot of time has been spent getting the characters right, to aid merchandising.



Core have gone for an organic look with Skeleton Krew, hence the bony walls.

SKELETON KREW

This is one of the lead games for this year, and like a few of Core's efforts is being developed primarily for the CD32 and A1200 markets, with plans to create a 32 colour version later in the year.

Guy Miller, project manager and co-designer of the game gave me the brief one misty, cold February afternoon: "Set across six levels. It's a 3D isometric shoot 'em up starring the three characters of the Krew – Spine, Joint and Rib, who wear power exo-skeletons, hence the title. Basically, you are set against the evil Moribund Cadaver who is building a psycho machine, and is visiting the various planets in the solar system to get parts for it. You are always one step behind.

"It's a two-player game, each player choosing any of the three characters available. Essentially, you just walk around shooting things and collecting power-ups."

Looking around Core's office, which should by now be Core's ex-office (Note: Core, who once took up a small corner in one of the rooms of the building they currently occupy, now need to move to a mansion twenty yards up the road to accommodate their three hundred programmers and two musicians), I

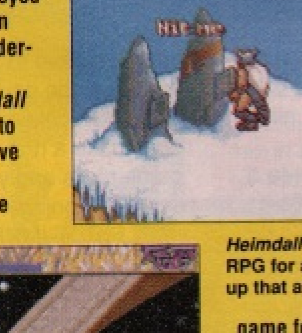


Skeleton Krew features a highly distinctive Japanese feel, with flesh and metal living together seamlessly.

HEIMDALL 2

Heimdall was a fine, fine game, and *Heimdall 2* looks like it's going to be even better. Due to an ex-deity feeling a bit annoyed at being banished from Asgard, and thus wandering around the world causing havoc, *Heimdall* has been pulled back to Earth once more to save the world. Yet again.

As you can see, the game features the same isometric scrolling landscapes as before, all rendered in glorious Jerr O'Carroll-o-vision – not that you're going to have any time to waste on looking at pretty pictures. You're going to have your hands tied just solving the puzzles with this one.

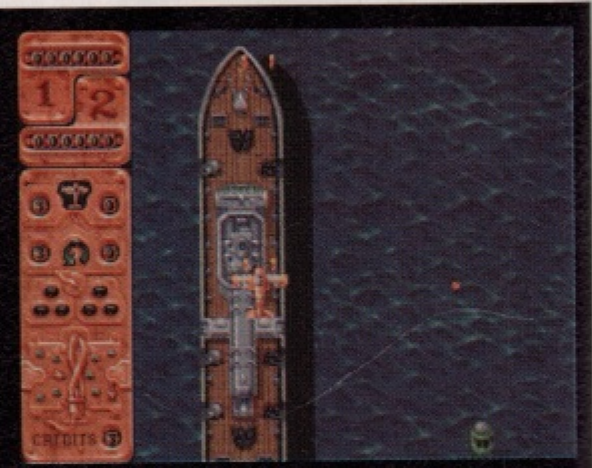


Heimdall 2 looks like it could be the best RPG for a long time. Just go ahead and soak up that atmosphere.

BANSHEE

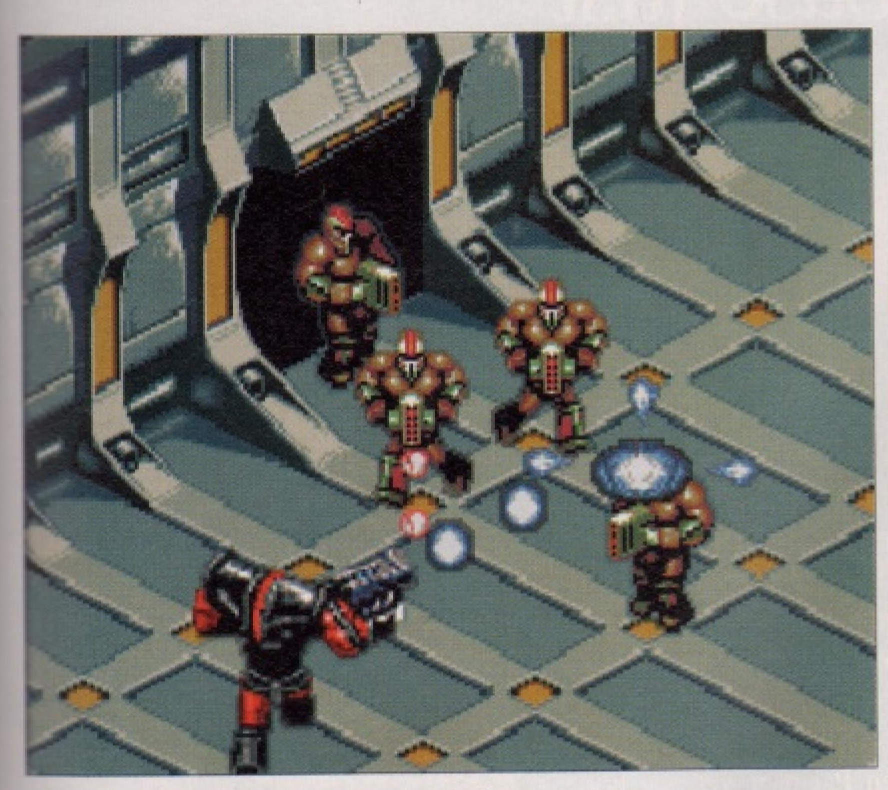
Eat lead! Imagine a planet where there have never been any World Wars. Because there has never been the need, technology hasn't advanced any further than the power-propped fighter plane. So the scene is set for a 1942/*Flying Shark* style airborne vertically scrolling shoot 'em up, with 256 colour visuals and more silky smooth animation than you could shake an arcade machine at. This is another move by Core to step away from their reputation for only launching platform games, and golly, it looks amazing.

Designed and coded by Danish pair Soren Hanibal and Jacob Anderson, the AGA-only game features everything from large exploding desert bases to small exploding soldiers. As shoot em up's go, this one looks like it could really show the world what the CD32 and A1200 are capable of. We wait with baited breath.



A 256 colour shoot em up is what the A1200 is crying out for – poor baby.

THE CORE KREW


Let's admit it, *Skeleton Krew* is a bit of a blast festival.

see a bunch of happy, contented, well groomed young men and women. Who could be responsible for a game that is so packed with violence I asked?

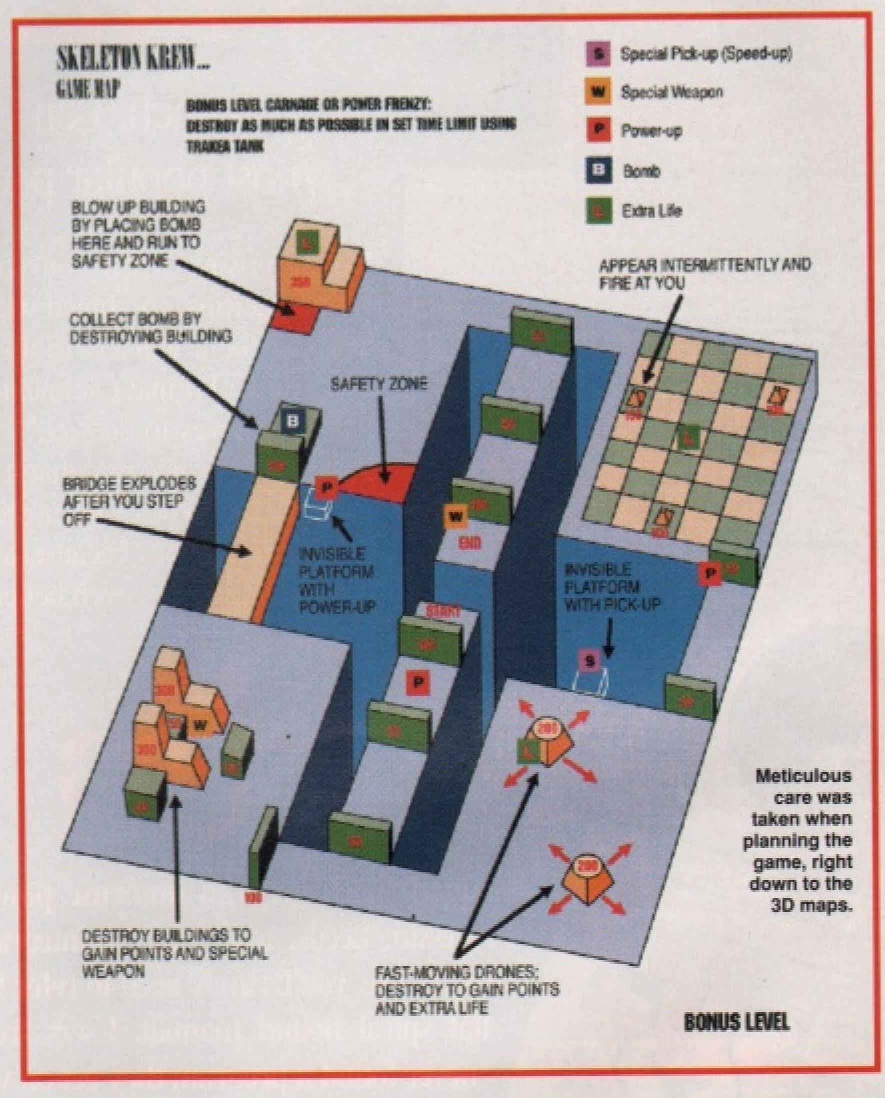
"Chris Long actually came up with the concept of a 3D isometric scrolling shoot em up, as there didn't seem to be many of them around. Not good ones anyway. James and I then got together and came up with the idea of the Krew, and it all went from there really," replies Mr Miller.

One interesting point is that each character is split, essentially made up of two sprites, which means you can get a 360 degree rotation with the top sprite while the bottom walks in any direction, just like the classic Ikari Warriors coin-op I used to pump so much money into, back in the good old days. Joint is the only character who can actually perform a full 360 spin though, both of the other characters are restricted to lesser swings to the left and right.

As you can see from the screen-shots, it's going to be a blast fest, with big guns and big death ahoy. But it's not all killing you know.

One of the things that makes this game different is that in certain parts of the game you can actually get into or on to vehicles, such as tanks and jet skis. There's a really fast scrolling sequence when you're on a jet ski, which looks like it's going to be a real reflex test.

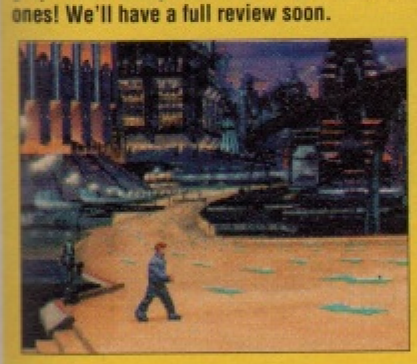
More than that is impossible to tell you about at the moment. Other that there are big plans to market this one: badges, pens, mugs, T-shirts, stuffed toys, jackets and comics are just some of the licenced products Core hope to back it up with. Get used to the name, because you're going to see a hell of a lot more of it this year! CU

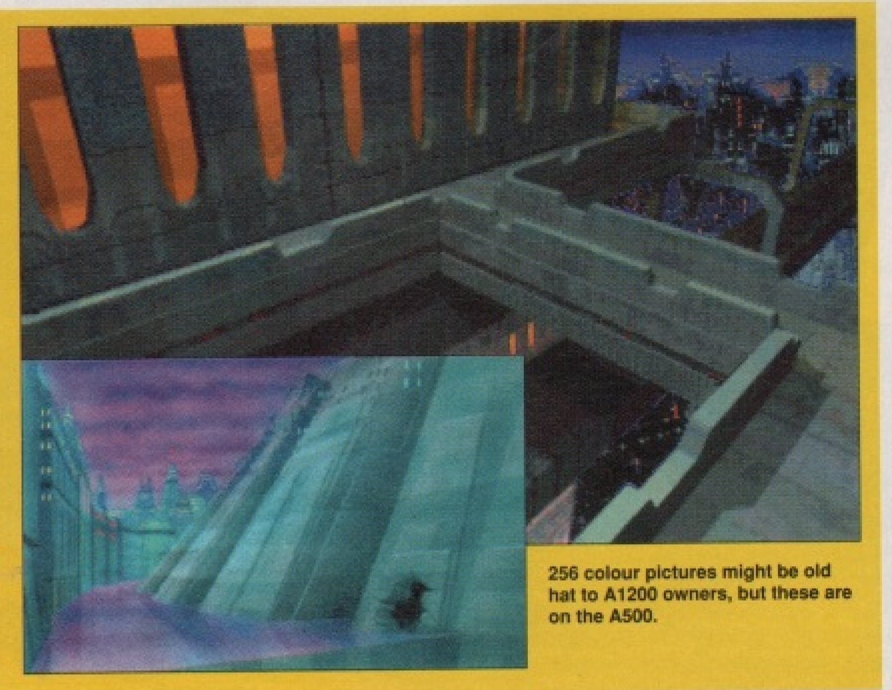


Meticulous care was taken when planning the game, right down to the 3D maps.

UNIVERSE

Core return to the graphic adventure field with their sequel to the highly successful *Curse Of Enchantia*. This time our hero has been dropped into another dimension, and you have to find your way back to your own Universe. As you would expect, its full of glorious images and tortuous puzzles, but what really stands out about it at this point is the fact that the game features 256 colour graphics on every machine, not just the AGA ones! We'll have a full review soon.



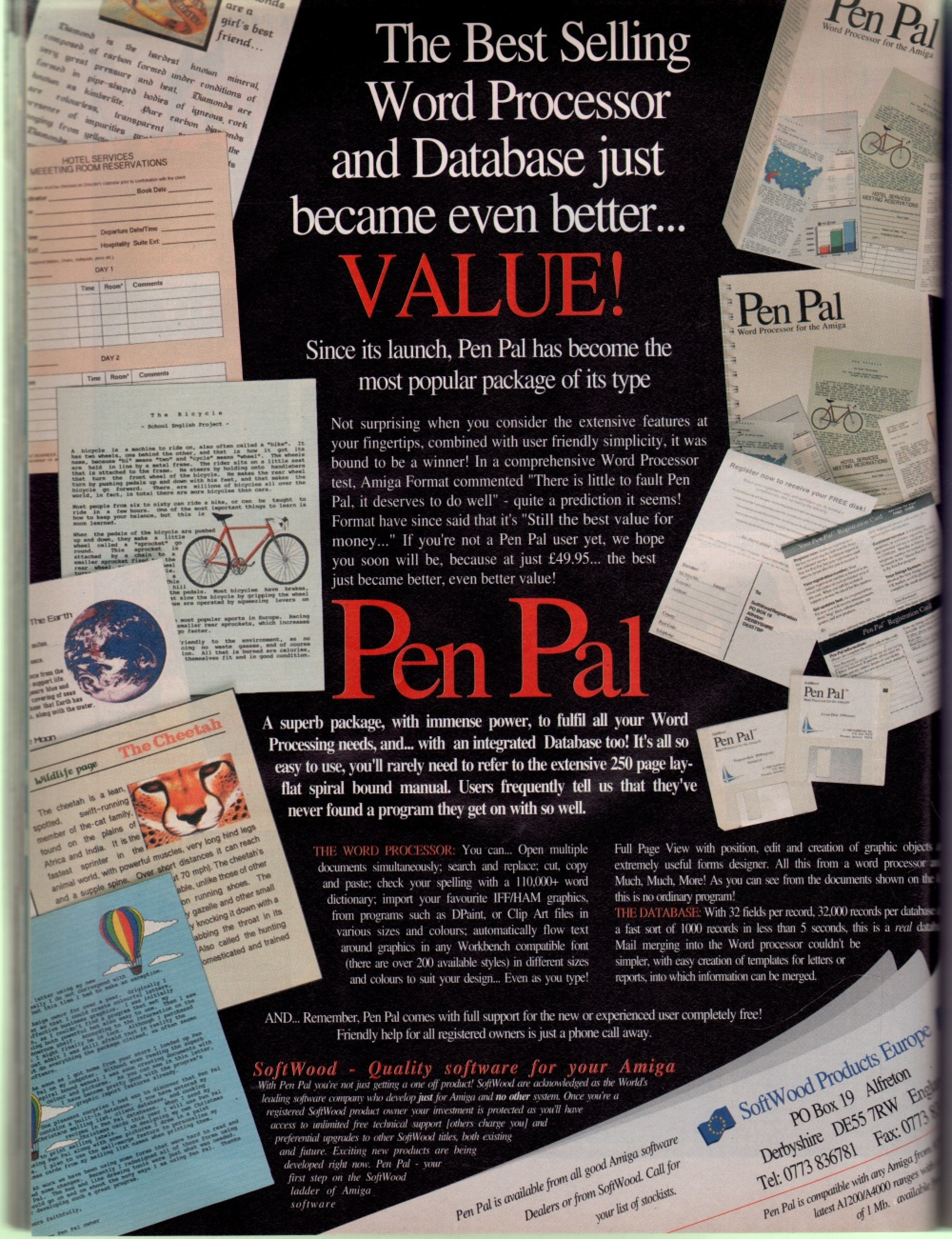

256 colour pictures might be old hat to A1200 owners, but these are on the A500.

DARKSTONE

"And lo, it came to pass, that the three Wyrd Crystals, comprising the Bright Trinity by which the first King Of Midworld had banished the Dragontime from his lands, were stolen by Myrdir, the great Dragon."

Yes, it does sound like your typical RPG spiel, but quite nicely makes way for a game which many feel is well needed on the Amiga - a *Zelda* style RPG, based more on puzzles than any clever character play. Sure, there are characters to act out, but Core is confidently aiming to plug a gap in the market with Darkstone, a game originally drafted to be the sequel to Darkmere, but one that has changed so much that it can now stand, unsupported, on it's own two feet.

It's early days for this cracking-looking game, but already it looks like it's going to be a big one. If you remember the old Origin classic *Times Of Lore*, you'll already have some idea of how promising this game could be. More when we get it.



The Best Selling Word Processor and Database just became even better...
VALUE!
Since its launch, Pen Pal has become the most popular package of its type
Not surprising when you consider the extensive features at your fingertips, combined with user friendly simplicity, it was bound to be a winner! In a comprehensive Word Processor test, Amiga Format commented "There is little to fault Pen Pal, it deserves to do well" - quite a prediction it seems! Format have since said that it's "Still the best value for money..." If you're not a Pen Pal user yet, we hope you soon will be, because at just £49.95... the best just became better, even better value!
Pen Pal
A superb package, with immense power, to fulfil all your Word Processing needs, and... with an integrated Database too! It's all so easy to use, you'll rarely need to refer to the extensive 250 page lay-flat spiral bound manual. Users frequently tell us that they've never found a program they get on with so well.
THE WORD PROCESSOR: You can... Open multiple documents simultaneously; search and replace; cut, copy and paste; check your spelling with a 110,000+ word dictionary; import your favourite IFF/HAM graphics, from programs such as DPaint, or Clip Art files in various sizes and colours; automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles) in different sizes and colours to suit your design... Even as you type!
Full Page View with position, edit and creation of graphic objects extremely useful forms designer. All this from a word processor Much, Much, More! As you can see from the documents shown on the this is no ordinary program!
THE DATABASE: With 32 fields per record, 32,000 records per database a fast sort of 1000 records in less than 5 seconds, this is a real data Mail merging into the Word processor couldn't be simpler, with easy creation of templates for letters or reports, into which information can be merged.
AND... Remember, Pen Pal comes with full support for the new or experienced user completely free! Friendly help for all registered owners is just a phone call away.
SoftWood - Quality software for your Amiga
With Pen Pal you're not just getting a one off product! SoftWood are acknowledged as the World's leading software company who develop just for Amiga and no other system. Once you're a registered SoftWood product owner your investment is protected as you'll have access to unlimited free technical support [others charge you] and preferential upgrades to other SoftWood titles, both existing and future. Exciting new products are being developed right now. Pen Pal - your first step on the SoftWood ladder of Amiga software
Pen Pal is available from all good Amiga software Dealers or from SoftWood. Call for your list of stockists.
SoftWood Products Europe
PO Box 19 Alfreton
Derbyshire DE55 7RW Engl
Tel: 0773 836781 Fax: 0773
Pen Pal is compatible with any Amiga from latest A1200/A4000 ranges with of 1 Mb. available
Pen Pal
Word Processor for the Amiga
Register now to receive your FREE disk!
Your Pen Pal Registration Card

SWITCHQUIZ

Steve Keen, angel of sobriety, tests his encyclopaedic knowledge against an accessorized pub quiz for the Amiga.

Everything you need for a good night in: Switchquiz, adrink of your choosing and everyone's favourite nut.

Anyone who has even been down to their local with the innocent intention of just having a swift half will, most likely, have come into contact with the dreaded pub quiz.

The pub quiz is a strange beast that captures the imaginations of adults and turns them into something akin to the Delphi Oracle.

It all starts so well. You sit down, blunt pencil and two sheets of carbon paper in hand, with all the optimism of a fourth division football team in the cup final and you think that you can take on anything.

But, by the end of the night, reality rears its ugly head and, although you thought you knew the answer to life, the universe and everything, your 15 out of 40 score sheet suggests different.

THE BARE BONES

Switchquiz tries to mirror the phenomen that is pub quiz. It comes on two disks, the main programme and a question disk. Although there's a distinct lack of snazzy presentation or any kind of illustrative graphics, it's very easy to get into and surprisingly user friendly. Once the main programme's loaded the disk accessing stops and there aren't any annoying pauses between questions whilst the computer skips to another part of the disk. You may think that might be obvious, but I've sat once too often, twiddling my thumbs, waiting for the next question to come up, whilst the drive chugs away on lesser packages.

PLAYING AROUND

Switchquiz couldn't follow a simpler or more familiar path. There are two different packages available, a two-player and a four-player version. Just select the number of players in the game and away you go. Each player has a certain amount of time to answer the multiple choice questions. The question is typed out at the top of the screen and the four different answers revealed in the centre, one at a time under A, B, C and D. Along the left and right of the screen there are two bars divided into 15 segments. Each one represents one second of time and on the default game you have eight seconds to answer each question. If you or your opponent get a question wrong the other player will have the chance to answer in the time remaining. The quicker you answer the question the more points you'll have added to your score. The first one to 75 wins the contest.

Just about every aspect of the quiz can be customised to suit the players' abilities. You can alter the amount of time you have to read the question, the time it takes for the answers to appear, the number of points needed to win a game and how many seconds you have to answer the question. There's also a feature that allows you to discover the correct answer if you get you guess incorrectly, which a bit pointless – you'd soon get through all the questions on the disk if you do this.

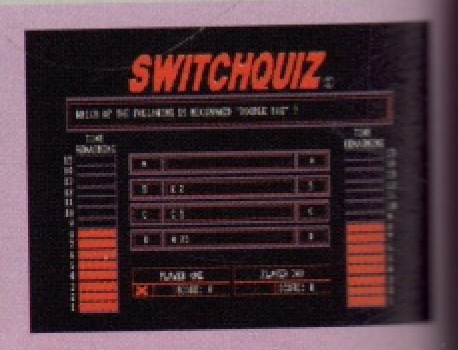


THE LEADER OF THE PACK

There have been more than a few general knowledge games on Commodore's machines, from the simplistic PD, mouse operated quizzes to the old CDTV version of *Trivial Pursuit*. However, *Switchsoft's*







The answers appear slowly, so you have to be a quick reader.

package is the first to try and introduce a proper team competition aspect to the genre with the addition of some special hardware that comes in the package.

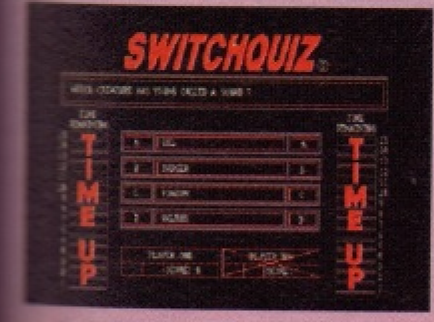
With the two-player parcel comes a controller interface and two black box controllers which act as buzzers. Each black box has four buttons, representing the A, B, C and D multiple choice answers. A quick jab on these lets you answer the questions – a much more preferable means of interacting with the game than a mouse, and one which provides a real feeling of competition, especially when playing a human opponent. The programme also lets you skip the question part of the disk and just use the Priority game. This gives you all the functions of the depleting clock and buzzers, just in case you want to sit around your monitor or TV and ask your own questions, or read off cards.

DOWN TO BUSINESS

So that's the package, but how does it play? Well there's no denying that we had a lot of fun around the office with the novel black box controllers in two-player mode, but the software did seem lacking in a few respects. Firstly, in a two-player game you can't tell which answer your opponent has gone for. If he gets the question wrong before you his guess is not indicated. So, even though you have the rest of the time to go for the correct answer you've still got to guess the right one out of the original four. Although the hand controllers are infinitely better than any mouse or keyboard interface for this sort of game, the buttons are very old fashioned, the kind of homemade looking affairs that you find in electronics classes at school. They're not too responsive either and, if the battering we gave them around the office is anything to go by, they could wear out pretty quickly. Also, after only three rounds of competition the questions started to repeat themselves every now and again. More than ten games later though, the software was still-managing to come up with fresh questions, not seen in previous rounds. However, for a few extra pence, another disk would make the package more interesting.

Gripes aside, in two-player mode, Switchquiz was a lot of fun. A couple of small Harry Enfield samples and a catchy ditty at the beginning of the game pepped up the overall and the novel interface method made this the best quiz master package I've seen. More general knowledge, sport and pop music disks are available to bolster the main programme disk and extend its life, as well as a special Question Creator package that lets you programme in your own questions and answers.

Get a takeaway in and a few mates around before settling down. It's more fun than sitting in the dark on your own. CU



You can customise the game to suit your own preferences, like how long you are allowed before you must answer the question. Then, after setting it up and finally getting the preferences right. (in your favour), it's a frantic battle of wits and a contest of reflexes. Or something like that.

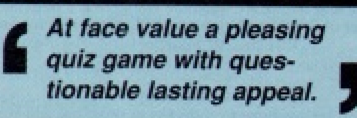
SWITCHSOFT £28.95

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

SWITCHSOFT, 26 RIDGEWAY, DARLINGTON, COUNTY DURHAM DL3 0SF. TEL: 0325 365 773

RELEASE DATE:	MARCH
GENRE:	QUIZ
TEAM:	DAVID CADMAN
CONTROLS:	MOUSE/INTERFACE
NUMBER OF DISKS:	2
NUMBER OF PLAYERS:	2
HARD DISK INSTALLABLE:	YES
MEMORY:	512K

GRAPHICS	30%
SOUND	35%
LASTABILITY	77%
PLAYABILITY	85%



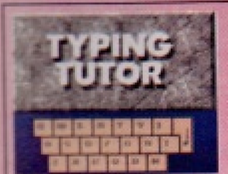
OVERALL 79%

EPIC

Order hotline. 0793 490988

VISA   

Selected *Amiga* Software for the selective *Amiga* user.



If you're new to computers then you may want to improve your typing skills, if you do then this software will take you step by step until you become competent. *Only £3.00*

[ ] TYP3-1. ***TYPING TUTOR***



An amazing 101 games, including classics like; Space Invaders, Tetris, Pacman, Missile Command, Snakes & a load of platform, puzzle & shootem up games. *Only £10.00*

[ ] GG10-4. ***101 AMIGA GAMES***

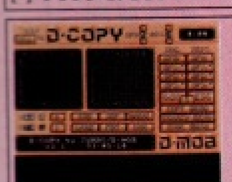


Eight disks of selected colour clip fonts, from 8 point 8 colour to 60 point 32 colours. You'll find loads more useful fonts in this great collection. All fonts are stored as IFF (dpaint) *Only £15.00*

[ ] CLF15-8. ***COLOUR FONTS***

PC Task is renouned for being the best PCXT software emulator available. It supports up to VGA Hard drives, HD drives, CDRom, mouse, and printer ports etc (VGA on A1200) *Only £40.00*

[ ] PCT40-1. **PC TASK "Complete"**



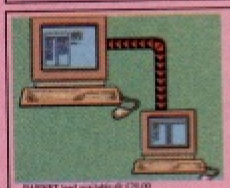
To make a backup of your precious games you're going to need a copier that is very powerful, well on these two disks you have the most powerful Amiga disk copiers available *Only £5.00*

[ ] CPY5-2. ***DISK COPIERS***



If you've just purchased your Amiga then you may be a bit boggled about how to use it properly, well this five disk set will see you right. The complete beginners guide. *Only £9.00*

[ ] ABG9-5. ***BEGINNERS***



Connect your Amiga to either a PC, Amiga or CDTV, and access any drive with ease, and transfer any information TwinX & Parnet are the best Amiga networking software titles available. *Only £8.00*

[ ] COM8-3. ***NETWORKING***

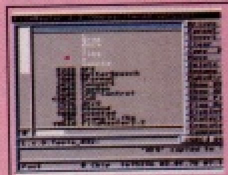
The complete package, Features Text Engine, Spell checker, Grammar checker & 600 Business letters. Perfect for home or business. *Only £7.00*

[ ] WPR7-3. ***WORD PROCESSING***



If you've either just started your driving lessons or you're just about to take your test, get a copy of this and be sure you'll pass with flying colours. *Only £3.00*

[ ] THC 3-1. ***THE HIGHWAY CODE***



Five disks full with Workbench 2/3 software Virus killers, menu tools, text editors, diagnostics tools etc over 60 different tools for use in workbench 2/3 The essential collection *Only £7.00*

[ ] WBT7-5. ***WORKBENCH TOOLS***



Speed up the access of your disk drives, with this memory resident disk accelerator. Runs quietly in the background of your workbench. Pack also contains other titles. *Only £4.00*

[ ] TDK4-2. **TURBO DISK**

A five disk collection of samples ranging from vocals, Break beats, drums, guitar, and other instruments, over 200 samples in all, all are of the highest quality, perfect for MED etc *Only £7.00*

[ ] SAM7-5. ***SAMPLES GALORE***



Includes: DLD, Power-packer, Crunch mania, LHA, LHZ & DMS to compact a whole disk into one file, every thing you'll ever need to archive or de-archive any file anywhere *Only £5.00*

[ ] CRM5-2. ***CRUNCH MANIA***



Double the space on your hard disk, if you've got an 80meg you'll have over 150meg with this safe hard drive stacker, also works with floppies, set also contains other titles. *Only £5.00*

[ ] EPU5-2. ***DISK STACKER***



Spaceballs: State of the Art is one of the most spectacular & popular Amiga rave demos around, now the second part is here, even bigger and even better, 2 great disks. Unreal! *Only £4.00*

[ ] SBL4-2. ***SPACEBALLS 2***

Now you can design your own fonts for use in Deluxe Paint etc. Over 70 additional fonts are also supplied. A very easy to use package. Don't miss it. *Only £7.00*

[ ] FNT7-3. ***FONT EDITOR***



This collection of printer tools includes a selection of the most popular drivers, label maker, address keeper, print spooler, print studio, fancy disk labeller and loads more. *Only £3.00*

[ ] PRT8-4. ***PRINTER TOOLS***



Ten disks of very high quality black & white graphic IFF images, subjects include: Cars, Animals, Weddings, People, Children, Sea-life, Planes, Buildings, Birds etc *Only £13.00*

[ ] GFX13-10. ***CLIP ART***

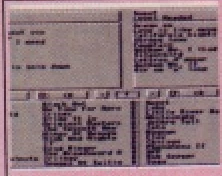


Create professional looking front ends to your disks that look as if a professional programmer made them. Put in your own logo, music, scrolly messages, stars, copper bars etc. *Only £7.00*

[ ] DMO7-3. ***DEMO MAKERS***

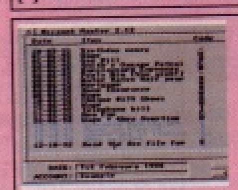
Run all your 48K Speccy software on the Amiga, very easy to use. Over 40 classic Spectrum games supplied. You can load from cassette via a standard sound sampler. *Other games available!* *Only £5.00*

[ ] SPE5-3. ***SPECTRUM EM***



The complete system for cataloging your Video, CD, Disk & music collection, three disks of databases to keep track of your entertainment media. All you'll ever need. *Only £5.00*

[ ] CTG5-3. ***CATALOGUERS***



Three complete account packages, for home or for small business, they are invaluable, sort out your finances with ease, no more shuffling through heaps of papers Easy to use. *Only £7.00*

[ ] FIN7-3. ***HOME FINANCE***



Animation construction kit. Create stunning animations with sound. This three disk set contains everything you'll require to be an expert in no time. *Only £7.00*

[ ] ACK7-3. ***ANIMATION KIT***

A must for all Star Trek fans, a four disk AGA collection of very high quality pictures of Next Generation Spacecraft. Including: Enterprise, Klingon & Romulon. Well over 30 images *Only £7.00*

[ ] SRT7-4. ***STAR TREK AGA***



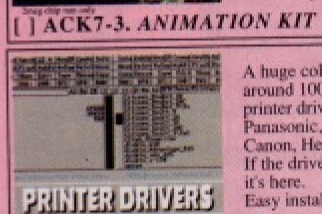
Five of the best menu-makers available, Includes titles such as Menu Master 3, Amirage menu system, Quick menu, mega menu and more *Only £5.00*

[ ] MNU4-2. ***MENU TOOLS***



Home video titling is a BIG thing on the Amiga but it can also take a BIG chunk out of your wallet, but not now. Here's six disks full of titlers, fonts, backdrops, & video wipes. *Only £12.00*

[ ] VID12-6. ***VIDEO PRODUCTION***



A huge collection of around 100 various printer drivers, for Star, Panasonic, Seikosha, Canon, Hewlett P etc. If the driver's available, it's here. Easy installation *Only £3.00*

[ ] DRV3-1. ***PRINTER DRIVERS***

Word Processing, Database, Spreadsheet, Diary

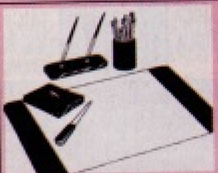
The perfect partner for home or for business, features a word processor, spreadsheet, database and diary. A powerful companion for all new & small businesses. *Only £7.00*

[ ] IFC7-3. ***LITTLE OFFICE***



Cheats & Solutions for over 1000 Amiga games, ranging from Project X to Monkey Island to the Sierra range of Arcade adventures, and loads more, too many to list. *Only £9.00*

[ ] CHT9-5. ***CHEATS***



Professional structured clip art for use in Page stream, Pro page etc. Images include: Credit card symbols, Amiga's, concord, cash & flashes. High quality Images. *Only £5.00*

[ ] CPA5-2. ***PRO. CLIP ART***



Over 300 all time classic Commodore 64 game sound tracks, including Delta, Sanxion, International Karate. Every Rob Hubbard track is here. *Only £6.00*

[ ] AZT6-4. ***A-Z OF C64 TUNES***

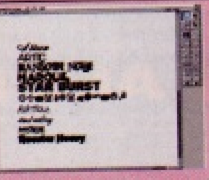
Every diagnostics tool you should ever require, test your mouse, drives, joystick, memory, keyboard, sound etc. Very easy to use and a must if you think you've got a problem. *Only £3.00*

[ ] ENK3-1. ***ENGINEERS KIT***



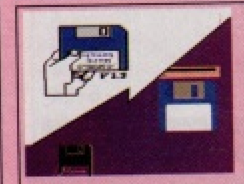
Ten disks full of AGA pictures. Over 100 top quality images, all in 256 glorious colours. Each disk runs as a slide show for ease of viewing, over 16's *Only £15.00*

[ ] GRL15-10. ***AGA PICS***



Over 50 fonts for use in Wordworth & Pagestream. Every font will give you a very professional quality print out. Fonts can be used from 3 point to as large as you like. *Only £7.00*

[ ] PSF7-3. ***Wordworth FONTS***



If you've just got your A1200, you're probably having problems running older games, if this is the case, get hold of this. It quite simply makes your A1200 into an A500 temporarily. *Only £5.00*

[ ] DEG5-2. ***A1200 DEGRADERS***

The most professional Word searcher & crossword solver available on the Amiga. It features a dictionary of over 50,000 words, and you can even add your own if you wish. *Only £5.00*

[ ] WFP5-2. ***WORD FINDER PRO***

Order Form

Name. ______

Address. ______

Tel. ______ Amiga ______

Payment method ______ total disks: ______

Price £ ______ +P&P ______ =£ ______

Credit card details.

Credit card no. ______

Exp date ______

ALSO AVAILABLE.
THE COMPLETE ASSASSINS GAMES 1-160+
LSD LEGAL TOOLS, FRED FISH 1-920+,
OVER 10,000 AMIGA PD DISKS IN STOCK
HUGE RANGE OF COMMERCIAL GAMES

Overseas Orders

Overseas orders are welcome but there is a minimum order of 3 titles and please add £1.00 per title for first class Air Mail delivery.

Collecting

You are welcome to collect your order but you are advised to phone it through prior to collection. Office hours: 9.30am-5.30pm Mon-Sat

Ordering by Post

Simply send your order in on an A4 page, listing the items you require, the total cost, and your name & address or if you wish, simply mark off the items you wish to order, fill in your name etc, and send this page to Epic Marketing, 1st Floor Offices, 31 Faringdon Rd, Swindon, Wiltshire, enclosing payment + P&P

Ordering by Phone

Call any time between 9.30am & 5.30pm Monday to Saturday with your credit card details and the items you would like to order

Delivery charges. Please add a total of 50p for PD disks in the UK & Mainland.
[] SAME DAY GUARANTEED DISPATCH ON PUBLIC DOMAIN TITLES, ADD £4.00
Most orders are despatched within 48 hours.

Epic Marketing, First Floor Offices, 31 Faringdon Rd, Swindon, Wilts SN1 5AR

(Below) "Mum, look what I made in Biology today!"
(Right) Bubble falls to certain death among the snakes.

SUPER STAR

BUBBLE & SQUEAK

Have Audiogenic come up with the ultimate Amiga platform game? Or is is just another old formula yawn? Tony Dillon gets a taste of *Bubble and Squeak*.

There have been numerous successful double acts in the past: Abbot and Costello, Morecombe and Wise, Little and Large etc. All have been funny (with the exception of Little and Large perhaps, unless you happen to like Deputy Dawg impersonations ten years after the program has ceased being broadcast), yet this double act scenario has never really been as popular in the games market as it has on TV.

Of course there have been partnerships inthe past – Mario and Luigi, or Bub and Bob for instance – but the sad thing is that these characters have always been *pairs*, not partners. It's one of the golden rules of comedy that if you are going to have two people interacting, one of them has to be the straight man. Two wacky and amusing characters just don't work. And this is perhaps the key to *Bubble & Squeak*'s appeal. Not only are the characters interesting and fun to watch, you'll also find that they are, in fact, a true comedy double act. Add that to the fact that it's also an immensely playable game, with tons of puzzles and extra curriculum platform fare and you've got something special.

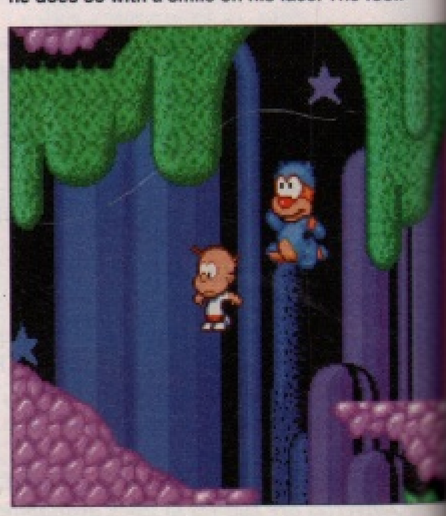
But before I tell you any more, let me introduce you to the two heroes of the show: Bubble is a small boy, who looks a bit like Charlie Brown and seems quite normal in every respect, apart from the fact that he's prematurely bald and has a pet monster called Squeak. Squeak is a mini dinosaur/dragon in the Flintstones 'Dino' mould – very loyal, but not quite as mad (or smart) as Fred and Wilma's 'little' pet.

However, the big question is, how does it all work? On the back of the box (always a good place to start), the game describes itself as a combination of platform game, puzzler and shoot' em up, all rolled into one, and I'd have to agree with them.

Even though there are two main characters, *Bubble and Squeak* isn't actually a two-player game. Instead, you control Bubble as he runs around the thirty enormous levels, while he, in turn, controls Squeak. Confused? Don't worry, it will all become clear in a moment.

Squeak, who has his own individual personality, follows Bubble

Squeak will follow you wherever you go, and he does so with a smile on his face. The fool.







(Above) Squeak stays where he's told to, while Bubble scouts ahead. The duck with the baseball bat can knock your bullets back at you. (Left) By kicking Squeak, he rolls into a ball and rockets around the screen. The curved walls direct him around the level.

around the screen, helping out wherever possible. However, he can't run as fast or jump as high as his master, so you'll have to let him catch up and find ways around various high obstacles. This is where the puzzle element of the game comes into play.

To be fair to Squeak, he does have a few tricks up his sleeve that make him more than just a useful friend. For a start, if you stand in front of him and push up, he'll grab you under the armpits and throw you high into the air – at least twice as high as you can normally jump. Or, stand next to him and give him a kick, and he'll roll into a ball and fly around the screen like *Sonic The Hedgehog* until he hits a wall.

Then there's bubble gum mode. The name comes from the bubble gum machines that are scattered around each level. When you get close to one of these, Squeak starts getting excited. If you drop a coin in the slot (coins are collected by shooting bad guys, as usual), then step back and kick the machine,a gum ball flies through the air into the greedy clutches of Squeak, who then bends over, allowing you to jump on his back. From this point on, you can run faster than normal, jump higher than ever and fire bubbles at the enemy, which are faster than the stars that Bubble normally fires across the screen.



Travelling around on Squeak's back is not only a very useful way to get around the various screens, it's also the only way you're going to be able to solve many of the puzzles the game throws at you.

Bubble and Squeak is a real treat to watch, with some of the most eyecatching and crisp sprites ever seen in an Amiga game. As mentioned earlier these sprites make for a funny comedy duo combination, with expressive faces and cute in-depth detail.

Developed for the AGA chipset, the game is only available on A1200 at the moment, with a CD32 version coming soon. And, believe me, the graphic artists have made extremely good use of the 256 colour chipset.

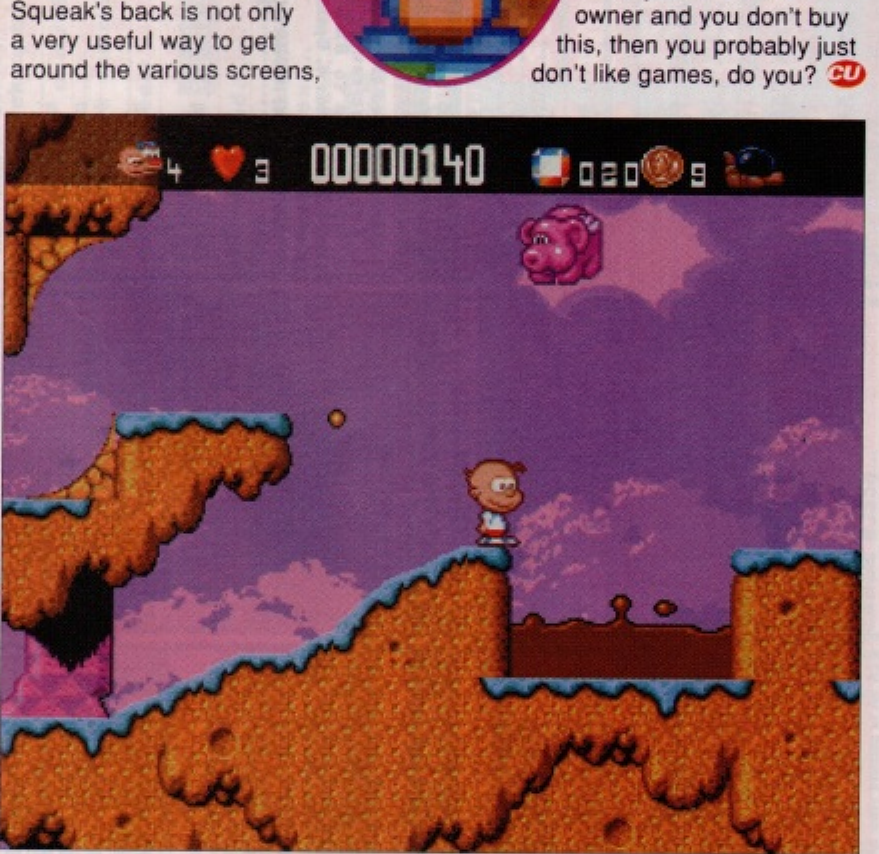
Glorious backdrops and smooth animation obviously can't be clearly illustrated in still screenshots, but you have to admit, the game sure does have a lot of character.

This flows over into the aural side of *Bubble and Squeak* too. Some simple but effective tunes play along behind the amusing sound effects, which include some wonderful samples of Bubble ordering Squeak around: "Wait here", he cries, "Come on", he shouts impatiently.

This is a very, very playable game. The controls, even on a three button pad, are logically worked out, and you'll have no trouble at all completing a couple of levels on your first attempt.

Things get pretty hard as the game goes on, but you'll be having so much fun you won't even notice. *Bubble & Squeak* is one of the most playable and original platform games to ever hit the Amiga.

If you're an A1200 owner and you don't buy this, then you probably just don't like games, do you? CU



Vats of bubbling acid, flying elephants who sneeze at you and a small boy with a dazed smile. What can it all mean?



A quick guide to getting into 'Join' mode.
1) Insert a coin into the bubblegum machine.
2) Kick the gum ball into the air.
3) Squeak catches it and bends over.
4) Climb onto his back and you become SuperBubbleSqueakman, or something.

AUDIOGENIC £24.99

A500 ✗	A500+ ✗	A600 ✗	A1200 ✓
A1500 ✗	A2000 ✗	A3000 ✗	A4000 ✓

AUDIOGENIC, UNIT 27, CHRISTCHURCH INDUSTRIAL CENTRE, WEALDSTONE, HARROW. TEL:081 424 2244

RELEASE DATE:	MARCH
GENRE:	PLATFORM
TEAM:	IN HOUSE
CONTROLS:	JOYSTIC
NUMBER OF DISKS:	2
NUMBER OF PLAYERS:	1
HARD DISK INSTALLABLE:	NO
MEMORY:	1Mb

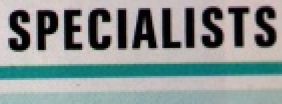
GRAPHICS	94%
SOUND	90%
LASTABILITY	91%
PLAYABILITY	94%

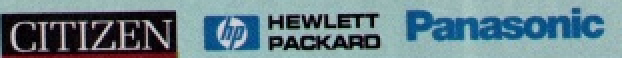
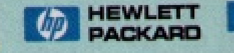
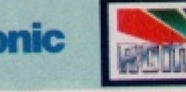
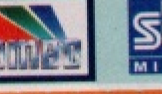
"The game that redefines platform games. Stunning."

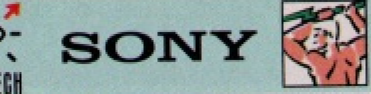
OVERALL 94%



Free FAST! UK DELIVERY • SAME DAY DESPATCH* • All prices INC. VAT
COMPUTER WORLD-WORKING TOWARDS BRITISH STANDARD BS 5750 FOR QUALITY & SERVICE








COMPUTER WORLD PROVIDING YOU WITH THE BEST SERVICE & RANGE

DESKTOP DYNAMITE

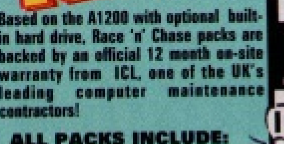
THESE PACKS ARE OFFICIAL DESKTOP DYNAMITE PACKS with built-in hard drives (except base pack) and backed by an official full 1 years on-site warranty with ICL, one of the UK's leading computer maintainence contractors!

PACK INCLUDES: A1200 • Wordworth V2.2 (AGA) Amiga Format Gold • Deluxe Paint 4 (AGA) Oscar (AGA) • DENNIS (AGA) • and Digitas's print manager.

- **Base Pack** (No HD)..£329.99
- **80Mb HD** .. REDUCED! £479.99
- **127Mb HD** REDUCED! £527.99
- **200Mb HD** REDUCED! £574.99
- **340Mb HD**.. NEW! £629.99

When buying any AMIGA add £19.99 and get the... **Chaos Pack!**
INCLUDES: The Chaos Engine, Nick Faldo's Championship Golf, Pinball Fantasies and Syndicate!
RRP £125.99
Only £19.99





Based on the A1200 with optional built-in hard drive, Race 'n' Chase packs are backed by an official 12 month on-site warranty from ICL, one of the UK's leading computer maintenance contractors!

ALL PACKS INCLUDE: Nigel Mansell & Trolls!

A 600 THE WILD, THE WEIRD & THE WICKED Software titles: Deluxe Paint III • Formula One Grand Prix • Putty • Pushover. £194.99

- **Base Pack** No Hard Drive £289.99
- **80Mb HD** REDUCED! £432.99
- **127Mb HD** REDUCED! £479.99
- **200Mb HD** £527.99 REDUCED!
- **340Mb HD** NEW! £672.99

AMIGA 4000

The 4000-030's & 040's are powerful, packed with features and represent excellent value for money.

ALL AMIGA 4000's now come with Deluxe Paint IV (AGA) Wordworth V2 (AGA) and Wordworth Print Manager! Unbeatable value for money!

4000-030EC (desktop) 25MHz 68030 EC

HD	CHIP RAM	FAST RAM	PRICE
130Mb	1Mb	1Mb	£979.99
130Mb	2Mb	2Mb	£1079.99
214Mb	2Mb	4Mb	£1179.99
540Mb	2Mb	4Mb	£1471.99

4000-040LC (desktop) 25MHz 68040 LC

HD	CHIP RAM	FAST RAM	PRICE
214Mb	2Mb	4Mb	£1619.99
525Mb	2Mb	4Mb	£1864.99

4000-040TW (SCSI Tower) 25MHz 68040 TW

HD	CHIP RAM	FAST RAM	PRICE
214Mb (IDE)	2Mb	2Mb	£1962.99
525Mb (SCSI-II)	2Mb	4Mb	£2256.99
1Gb (SCSI-II)	2Mb	4Mb	£2551.99

All come with a 24hour on-site-response maintenance guarantee from ICL, one of the UK's Largest computer repair contractors.

4000 ACCESSORIES
- 1Mb 32bit-SIM.........£45.99
- 2Mb 32bit-SIMMS.....£84.99
- 4Mb 32bit-SIMMS...£159.99
- 8Mb 32bit-SIMMS...£349.99
- 68882 25MHz Fpu......£74.99

A1200 HARD DRIVES UPGRADES

COMPUTER WORLD offer a FREE fitting service in store for Hard Drives to the A1200/A600 Ask for Steve or Chris. This Service is available seven days a week. Add £20 for additional warranty (only available from date of original purchase if proof of purchase is supplied). This service has already proved popular with hundreds of COMPUTER WORLD customers.

All 2.5" IDE Hard disks offer fast access time and supplied by leading companys like Western Digital/Seagate. Pack includes cable screws and software. 1yr warranty on all models!!

- **34Mb** -ideal starter size- ...£99.99
- **60Mb**.......... REDUCED! £149.99
- **85Mb**......... REDUCED! £179.99
- **170Mb**......................£239.99
- **252Mb**............ NEW! £329.99

11 m/seconds access time, lightning quick

PCMCIA FAST RAM EXPANSION
- **2Mb**.........................£114.99
- **4Mb**.........................£169.99

NEW GVP A1200 ACCELERATORS NEW

GVP A1230 VERSION 2

FOR THE 1200 Runs at 40 and 50Mhz, up to 32 Mb of 60ns RAM, optional 50Mhz fpu, has a battery backed clock, has a new feature connector allowing easy addition of warrnty safe upgrades,(the first upgrade will be a SCSI controller) is also a 16-bit sound sampler, with direct to hard disk recording and video modules.

CLOCK SPEED	RAM	FPU	PRICE
40MHz	0Mb	-	£244.99
40MHz	4Mb	-	£439.99
40MHz	4Mb	68882	£537.99
40MHz	8Mb	-	£634.99
50MHz	0Mb	-	£369.99
50MHz	4Mb	-	£564.99
50MHz	8Mb	-	£763.99

HAWK-A1200

RAM BOARD & ACCELLEREATOR NEW

1. Battery backed clock
2. Two year warranty
3. Upgradable to 8Mb with 32-bit simms 4. Option to add f.p.u.

POSSIBLE CONFIGURATIONS

RAM	FPU	PRICE
1Mb	--	£97.99
1Mb	20MHz (68882)	£147.99
2Mb	--	£126.99
2Mb	33MHz (68882)	£194.99
4Mb	--	£194.99
4Mb	20MHz (68882)	£244.99
4Mb	40MHz (68882)	£294.99
8Mb	--	£384.99
8Mb	40MHz (68882)	£479.99

HARD DRIVES

FOR THE A500/500+

GVP IMPACT SERIES II Hard Drives, the fastest Hard Drive/Controller for the Amiga. Features Game Switch, external SCSI port, FAAASTROM SCSI Driver, GVP's custom VLSI chip and internal RAM expansion up to 8 meg! Using high spec fast-access QUANTUM Hard Drives with 2 yr. guarantee.

500/500+ HD8+
- HD8+ 42 Mb £194.99
- HD8+ 80 Mb £249.99
- HD8+ 120 Mb ...£299.99
- HD8+ 213 Mb £564.99
- HD8 controller only £179.99

BOOST YOUR AMIGA'S PERFORMANCE WITH

SHARP TV/MONITOR

1. 14" Remote Control colour T.V. + monitor. 2. Infra-red remote control. 3. On Screen display for colour and volume adjustment. 4. On/off timer, flash back feature. 5. 40 channel programme memory. 6. Connect to computer for Amiga via RGB scart socket. Scart cable included.

CW PRICE £189.99

MEMORY

A 500+1Mb.....£39.99
Expand to 2Mb using trapdoor expansion port. Boards have 2 yr replacement guarantee.

A 500
- ½ Mb inc. clock.....£29.99
- ½ Mb no clock £19.99

A 600
- PA 601-populated-1Mb.....£39.99
- PA 6020 PCMCIA cards 2Mb...£114.99 4Mb...£169.99

3.5" DISKS

Don't confuse these quality disks with others currently available. 3.5" 100% certified error free 70% clip. All disks inc. FREE quality labels.

10.........	£4.99	25......	£12.99
50.......	£22.99	100.....	£39.99
200......	£72.99	500..	£174.99
750...	£259.99	1000..	£339.99

Now in stock! TDK branded 3.5" DS DD diskettes boxed in 10's with labels. Top quality media from the experts!

10.........	£5.99	50......	£28.99
100.......	£52.99	500..	£249.99

MONITORS

STOP PRESS! STOP PRESS!

PHILIPS 8833 MK II COLOUR MONITOR

STAR BUY

Computer World have reserved the last batch of this outstanding Philips monitor, widely regarded as the best value for money screen for the Amiga. This is positively your last chance to buy.

STOCK IS AVAILABLE 12th JUNE 1994

ORDER PROCEDURE
1. Phone telesales where your order will be logged and your details taken.
2. You will then be given a unique reservation number.
3. Your order details will be filed, BUT no money will be debited <u>until</u> the day of despatch.
4. We will contact you prior to despatch to confirm that your order is still required

WHAT YOU GET...
PHILIPS 8833 MKII CGA 14" Full Colour Monitor • 1 year on-site warranty • FREE connecting cable ADD £4.99 for dust cover ADD £10.00 for monitor stand.

ALL FOR..........£239.99

COMMODORE 1084......£209.99
14" Monitor Ideal for A500/500+600/1200 • 1 year warranty. Add £10.00 for monitor stand

COMMODORE 1942........£339.99
14" Monitor Ideal for A1200/4000, AGA, 28mm Dot Pitch, Tilt 'n' swivel stand, Built-in Stereo Speakers, Works with ALL Amigas in most resolutions, 1 years warranty.

MICROVITEC Cubscan 1440........£404.99
14" 0.28mm Dot Pitch, CRT 15-40Khz with digital memory sizing.

MONITOR ACCESSORIES-
- 14" dust covers....................£4.99
- 14" tilt & swivel stand.....£13.99
- Anti-glare filter screen....£19.99

MULTI-MEDIA



Computer world are a major stockist of rombo's multi-media products for the Amiga and P.C. Be assured that we offer extensive technical backup on all Rombo products and that the majority are on demo in our showroom.

Vidi Amiga 12 RT....£139.99
Real-time colour capture from any video source with AGA support ...IN STOCK NOW!

Vidi Amiga 24 RT....£214.99
24-Bit Real-time colour capture from any video source for the professional/serious user with AGA support ...IN STOCK NOW!

Vidi Amiga 12 (AGA version) .... REDUCED! £71.99

Rendale Genlock 8802 FMC IN STOCK NOW! £169.99

AMIGA CD32

The worlds first 32-Bit CD games system has been released - sending shock waves through the industry!

CD-32 ONLY £279.99

NOW WITH FOUR GAMES FREE INC: Digers, Oscar, Dangerous Streets and Wing Commander

FEATURES: A4 size footprint, 2Mb 32-bit graphics, 128K flash memory (storing scores), Includes Diggers & Oscar, built-in workbench, Plays audio CD's.

- **Microcosm**..................£39.99
- **Unbelievable release!**
- **Liberation**...................£29.99
- **FMV Module**............£194.99
- **FMV FILMS-**
- **Top Gun**.........................£14.99
- **Naked Gun 2½**...........£19.99
- **Pandora's CD** - Over 500 Mb of Sound, Clip Art and Animation on one feature packed CD! £4.99

3.5" DISK DRIVES

All drives feature super slim design, enable-disable switch, thru port and come with a 1 year replacement guarantee!

Amitek External Slimline Drive...............£56.99
Slimline Anticlick and virus checker I year warranty (inc. Sony Mechanism)

Amitek Internal Drive £49.99
For Amiga 500 and 500+

Disk head cleaner £3.99

JOYSTICKS

All Joysticks are fully micro-switched unless stated.
- Saitek Mega Stick.......£14.99
- Zipstick.......................£14.99
- Scorpion+....................£14.99
- Scorpion Junior............£9.99
- Competition Pro 5000..£14.99
- Competition Pro Clear...£14.99
- Competition Pro (Mini)..£18.99
- BUG (Green)................£14.99
- Konix Analogue...........£14.99
- Cruiser Black.............£11.99
- Gravis Amiga Game Pad £19.99

ACCESSORIES

FOR THE A1200
- A1200 real-time clock £13.99
  incl. 1 yr warranty & rechargable battery
- A1200/600 HD prep disk £3.99
- Control Centre (Inc. FREE cables)..................£36.99
- Dust Covers £5.99
- Multi-Sync Monitor adaptor cable

COMPUTER WORLD PRINTER CENTRE

THE NUMBER 1 CHOICE FOR VALUE & SERVICE

HEWLETT PACKARD

H.P. Colour 310..........£224.99

H.P. Mono 310..........£259.99
Includes the official HP colour kit & mono cartridge.

Optional Cut Sheet Feeder for the 310......£49.99

HP 510 Mono...£249.99
Successor to the top selling 500 Mono

HP 500 (Col)..£329.99

HP Deskjet 550 Colour.... £444.99
SPEC 4 x faster than previous HP range. HP printers come with 3 year warranty.

HP Laserjet 4L..£602.99
SPEC 4 ppm. laser easy to install & use • no on/off switch. 1 tray 100 input 50 output. 26 scalable typeface's, Max of 2Mb.

STAR MICRONICS — Ask telesales about Star Prestige Coverplan

LC-100 Col. (9PIN)..£134.99
LC24-100 Mono (24PIN) £169.99
LC-24-20 II Mono (24PIN) £199.99
LC24-30 Col. (24 PIN)..£219.99
LC24-300 Col. (24 PIN)..£289.99
XB24-200 Col.........£379.99
SJ48 Bubblejet.........£219.99
LS-5 Laser..............£559.99
Dual Bin, 0-5 Mb GREAT VALUE!
LS-5ex Laser..........£639.99
as above with 1Mb 600x300 dpi.
LS-5TT Laser..........£899.99
as above with 2Mb
SJ-144....................£424.99
A stunning thermal printer. Full 360 x 360 dpi, in both mono and colour, 3 ppm in mono, 1.4 ppm in colour. Can print up to 600cps. CPS Sheet feeder as standard, virtually portable printers, small footprint. Zoom mode to offer easy printing in A4 A5 and A6 sizes. NOW ON DEMO IN-STORE!

CITIZEN SUPER DEALER

ABC *"A printer for everyone that can be used by anyone"* —24—

SPEC 1. 24 PIN printer 2. 80 column 3. New Citizen Easy start software 4. 192 cps draft cps letter quality 5. LQ fonts including 2 scalable. 6. 50 sheet auto feeder as standard.

ABC Mono.....£142.99
ABC Colour....£162.99
Swift 90 Colour £159.99
9 PIN printer, fast, quiet, additional fonts, 2 yr warranty & v.2. driver disk
Swift 240 REDUCED £219.99
Colour printer with 2 yr warranty & v.2. Amiga driver disk
Swift 200 Col..£189.99
Colour printer with 2 yr warranty & v.2. Amiga driver disk

Canon — MAJOR DEALER

CANON BJ 10Sx REDUCED £186.99
SPEC Fast print times, more fonts, 95% Amiga Gold, inc. BJ10 Sx Driver Disk!

CANON BJC 600 ....£539.99
SPEC (Colour) 360 dpi New print control for non banding solids • Fast dry inks that don't blur or mix • Online Black ink for true black on same page • Prints on plain paper, OHP film special papers and envelopes • Epson/IBM emulation + Canon advanced drivers • Built in 100 sheet autofeeder • Auto cleaning.

CANON BJ 200 .... REDUCED £244.99
SPEC 95% Amiga Gold Features include: 300 dpi. • Min 80 page Auto sheet feeder • minimum 3 pages per minute

CANON BJ 230........ REDUCED £321.99
Wide carriage version of BJ200

CANON BJ 300...£429.99
80 column bubblejet laser quality output.

CANON BJ330...£499.99
136 column bubblejet

ESSENTIAL ADD-ONS

HEWLETT PACKARD

Official double life HP Black ink cartridges.......£24.99
Official double life HP Colour ink cartridges.......£29.99

Canon Canon

BJ 10 dust covers...£5.99
BJ 200 dust covers..£5.99
BJ 10 ex/sx ink cartridges £17.99
BJ 200 ink cartridges £24.99
BJ C 600 ink cartridges (each)..........£9.99
Autosheet feeder £49.99
For BJ 10 ex/sx

CITIZEN CITIZEN

Printer Stand.......£7.99
Dust Cover.............£5.99
Mono Ribbon.......£5.99
Colour Ribbon....£13.99
Autosheet feeder....£79.99

star star star

SJ-144 CARTRIDGES
Pack of 3 Mono......£26.99
Pack of 3 Colour.....£26.99

AUTO SHEET FEEDERS
LC20....................£57.99
LC200..................£59.99
LC24-200..............£62.99
LC24-20................£62.99
SJ48.....................£49.99

FREE • FREE • FREE • FREE
COMPUTER WORLD PRINTER PACK SUPPLIED WITH ALL PRINTERS
1) 1.8m std. printer cable. 2) 250 sheets of Top quality paper. 3) Authorised Amiga Driver disk.

PRINTER BUYERS GUIDE

When buying a printer for your system it's always wise to check the dealers credentials first.....

1 Are they OFFICIAL UK dealers?
2 Are they on demonstration in store?
3 Do they supply OFFICIAL printer drivers?
4 Do they supply everything you need for immediate operation ie printer cable, paper etc.?
5 Can the dealer supply the authorised consumables
6 Will the dealer be able to offer after sales service?

COMPUTER WORLD answer yes to all the above questions, that is why we sold thousands of printers to Amiga owners in 1993 by offering expert advice, prompt delivery along with excellent after sales support.

COMPUTER WORLD are officially supported by CITIZEN, CANON, HEWLETT PACKARD, and STAR.

MODEMS

U.S. ROBOTICS 5 YEAR WARRANTY
AUTHORISED RESELLER
The No 1 name in fax modems, US Robotics pride themselves on high quality modems at an affordable price. They come backed with a 5 year warranty and are fully BABT approved.

THE SPORTSTER £244.99
Comes Complete with opticomms 2 software and standard Amiga to Modem Cable. This modem incorporating data pump technology, operates at 14400 bps standard. It is 50% faster than 9600 bps modems and has full error control and data compression. It has the ability for throughput to reach 57600 bps.

THE SPORTSTER 2496 + FAX £139.99
Includes opticomms 2 software, std. modem cable. Cut down version of the above Sportster - but still fast and superb value!

WHY IS SPEED SO IMPORTANT?

THE FASTER YOU GO THE LESS IT COSTS!
2Mb FILE TRANSFER — Calculated at 5.6 pence per unit (peak rate long distance)

284.4 MINS £53.08	142.2 MINS £26.54	13.07 MINS £2.56	9.3 MINS £1.76	
V.21 300bps	V.22bis 2400bps	V.32 9600bps + V.42bis Data Compression	V.32bis 14,400bps Data Compression	

BABT Approved

Courier V32 bis+fax..£389.99
Includes opticomms 2 and std modem cable.
Courier HST Dual 16.8 +Fax £529.99
Includes opticomms 2 and std modem cable.
Courier Terbo... NEW £479.99
Includes opticomms 2 and std modem cable.
Courier HST Terbo NEW £621.99
Inc. 5 yr. warranty opticomms 2 and std modem cable. These modems are very fast, connected to another Terbo will give you a max speed of 21.6 or 14.4 if connected to any other modem.

Approved for connection to telecommunications systems specified in the instructions for use subject to the conditions set out in them

SCANNERS — FLATBEDS

Epson scanners offer the ultimate in flexibility, technical specification and value for money. For more information call 0532-350091 and ask for the Epson info line.

GT 6500..........£649.99
GT 6500 SCSI..£789.99
GT 8000......£999.99
GT transparency adaptor £479.99
GT document feeder For automated O.C.R... £729.99

Art Department Pro Scanner Software Compatible with GT 6500, GT 80000, 6000 and E5300C, E5600C, E5800C..........£104.99

SCANNERS — HAND HELD

Power Scanner 4 (mono) £119.99
With a new interface this handscanner produces 256 greyscale images on AGA machines, will scan in 64 greyscales, (non-AGA AMIGA can only display 16 colours) add colour to greyscale images or add text to scans.

Power Scanner 4 + OCR £159.99

GOLDEN IMAGE - ALFA SCAN £139.99
Scan and Save • Migraph Jnr. OCR software • 400 dpi • 256-Grayscale • Not A1200/4000 compatible.

ALFA SCAN..........£169.99
Touch up an merge it • Migraph Jnr.OCR software • 400 dpi • 256-Grayscale • 100% compatible with all Amigas.

AMIGA MUSIC

Pro-Midi 2 Interface .... ONLY £24.99
NEWLY CONFIGURED pro quality midi interface is very flexible. It has four ports 1 in, 2 out, and 1 thru (inc. FREE midi lead)

GVP Digital Sound Studio+ £64.99

'MIRACLE' KEYBOARD REDUCED £249.99
It really does teach you how to play!!! Full size keyboard with built in MIDI interface • 100 onboard sounds with effects • ability to customise lessons by use of artificially intelligent software!!

LEADS & CABLES

Midi-Midi 2m..£3.99 Disk Drive ext £9.99
Midi-Midi 3m..£4.99 Mod. ext....£9.99
Midi-Midi 5m..£5.99 Amiga-Scart...£9.99

Mouse/Joystick ext.........£4.99
Mouse/Joystick splitter....£4.99
Serial/Modem cables.......£9.99
Amiga-Multisync......from £9.99
Amiga-Microvitec...........£9.99
Amiga-CPC monitor..........£9.99
Amiga-RGB/TV...............£9.99
SCSI Cable various..........£9.99
Amiga-8833MkII..............£9.99
Joystick long ext............£4.99
Printer 1.8m..................£5.99
Printer 2.0m HQ.............£7.99

MICE/TRACKBALLS

GOLDEN IMAGE
Mega Mouse 2........£12.99
400 Dpi (Direct replacement for Mega Mouse 1)
Optical Mouse..........£29.99
High precision pointing device
Crystal Trackball......£37.99
Infrared Mouse.......£47.99
Cordless and rechargeable top selling innovation.
Optical Pen Mouse...£29.99
8mm mouse Mats.......£3.99
Auto Mouse/Joystick Switch £15.99
Don't damage your Amiga's ports! This device saves wear and tear, and makes switchover *FAST*.

SOFTWARE

ACCOUNTING
Arena Accounts..........£82.99
Personal Finance Manager Plus £29.99
Money Matters.... NEW £39.99

System 3E..................£54.99
Cashbook Combo.........£54.99

FRACTAL SFX & IMAGE PROCESSING
Vista Pro 3..................£49.99
Vista Lite (Cut down version uses less memory) NEW £54.99
X-CAD 2000 ....£99.99
Video Back up £56.99
Pixel 3D Pro...............£99.99
Can Do v.2.......... NEW £99.99
Make path for Vista.....£32.99
Art Department Pro v2.5 new version......................£134.99
Art Dept Pro Conv Kit..£57.99
Deluxe Paint 4 AGA.....£69.99
Morph Plus...............£149.99
Adorage.....................£69.99
Helm .... NEW £89.99
Montage 24..............£279.99

INTERGRATED PACKAGES
Mini Office.................£39.99
Gold Disk Office 3......£49.99

LANGUAGES
Blitz Basic v2 ...... NEW £56.99
Amos 3D.....................£25.99
Amos Professional......£39.99
Amos Pro Compiler £28.99
Easy Amos..................£25.99
Cygnus Ed Pro 3.5......£74.99
Hisoft Basic................£39.99
Hisoft Extend.............£16.99
Hisoft Dev Pac............£59.99
Hisoft Pascal..............£64.99
Lattice C v6.5..... NEW £269.99

WORD PROCESSING & DTP
Wordworth v3.... NEW £109.99
Pro Text 6.......... NEW £94.99
Wordworth v2 (aga)....£44.99
Final Copy Release 2.2.£69.99
Pen Pal 1.5 ....£29.99
ideal for single disk system!
Final Writer (AGA)......£99.99
Pro-Page v4.0.............£89.99
Pagestream v2.2.........£69.99
Pagestream v3..........£279.99
Soft Faces Vol 1-4........£59.99
Soft Clips....................£42.99
Turbo Print Pro v2.0 ..£36.99
Kindwords...................£24.99

MUSIC & SOUND
Deluxe Music Construction v2 ....£69.99
Bars & Pipes Pro v2...£224.99
Kits for Bars and Pipes (various) £39.99
Super Jam v1.1...........£79.99
The Patchmeister.........£62.99
Triple Play Plus.........£164.99
SyncPro....................£184.99
AMAS 2.......................£74.99
Clarity 16..................£114.99
Quartet.......................£39.99
Stereo Master..............£29.99
Megamix Master..........£29.99
Techno Snd Turbo 2 ....£36.99
The Music Librarian....£29.99
Meglo Sound...............£29.99

UTILITIES
Video Back up £56.99
P.C. Task.....................£39.99
Cross Dos v.5 (with PC emulator) £29.99
GB Route Plus..............£36.99
Directory Opus v4.0.....£49.99
Gigamem.......... REDUCED £49.99
Quarterback Tools Deluxe £98.99
Quarterback v6.... NEW £52.99
X-Copy Professional....£29.99

VIDEO PRODUCTION & TITLING
Big Alternative Scroller v.2 ....£59.99
Broadcast Titler 2 Hi-res £174.99
Font Pack 1 for BT2...£86.99
Pro Video £164.99
Scala 500 ....£79.99
Scala Pro...................£179.99

ACCESSORIES

TV modulator (For the A500/500+) .... NEW £29.99
Amiga power supply unit....£39.99
Premier Control Centre.......£34.99
For the A600,A500 and A500+
DATA SWITCHES-(25 pin D type)
2 way.......£15.99 3 way....£17.99
4 way..........................£19.99
Connecting Cable for the above..£9.99
Action replay cartridge..........£54.99
For the A500/500+
Hi-Fi Stereo Speakers...........£39.99
Dust Cover A500/500+............£5.99
Dust Cover A1200..................£5.99
Dust Cover A600 ....£5.99

BOOKS

We stock the best range of Bruce Smith books
Mstr. Amiga DOS 3 Ref A-Z NEW £21.95
Mstr. Amiga DOS 3 tutorial NEW £21.95
Assembler Insiders guide... NEW £14.95
A1200 Next Steps............ NEW £14.95
Little Blue Workbench......... NEW £4.95
Mstr. Amiga DOS Vol 1..........£21.95
Mstr. Amiga DOS2 Vol 2.........£19.95
Mstr. Amiga DOS3 ....£19.95
Mstr. Amiga W.B. 2.............£19.95
Mstr. Amiga Printers...........£19.95
Mstr. Amiga System.............£29.95
Mstr. Amiga AMOS...............£19.95
Mstr. Amiga AREXX..............£21.95
Mstr. Amiga Beginners.........£19.95
A600 Insiders Guide..............£14.95
A1200 Insiders Guide............£14.95

HOW TO ORDER

TO ORDER BY PHONE:
0532 350091
Quoting your Credit Card No.

VISA · EUROCARD · SWITCH · AMERICAN EXPRESS · MasterCard · ACCESS

For Customers not able to visit our Showroom we offer one of the fastest and most complete mail order services available.
STANDARD DELIVERY (4-5 days) FREE
Next day delivery only £6.00 • 2 day delivery £5.00

BY POST TO:
PHOENIX COMPUTER WORLD, UNIT 2, YORK TOWERS, 383 YORK ROAD, LEEDS LS9 6TA.
Please make cheques payable to Phoenix. Allow 5 working days for cheque clearance.
*Same-Day Despatch on Credit Card Orders/ bankers draft/ building society cheque/Postal orders.

FAX: (0532) 350702

HOW TO FIND US

WELL WORTH A VISIT!
FREE PARKING
800sq.ft. SHOWROOM
EASY ACCESS FROM M1 AND M62

OPEN 7 DAYS Mon. Sat. 9.30 am - 6.00 pm
Sun. 11.00 am - 3.00 pm
Thurs 'late till eight'

E&O.E.* All sales subject to our terms and conditions of business, prices can vary either up or down. Please confirm current price when ordering

DISCTECH UK

MAIL ORDER..............................MAIL ORDER..............................MAIL ORDER

Order by Telephone: 081 656 2663 Order by facsimile: 081 656 2663
After hours order to answerphone 081 656 2663 Opening hours Monday to Friday 9am to 5pm

DISKS 3.5" DS/DD WITH LABELS 100% ERROR FREE POST PAID

		300	£99.49
50	£21.49	400	£132.49
100	£35.49	500	£159.49
200	£66.49	1000	Telephone for price

Amiga CD32 with four games, Oscars, Diggers, Wing Commander and Dangerous Streets £284.99
Post & Packing please add £2.65

A1200 Desktop dynamite pack with Wordworth, Print Manager, Delux Paint 4, Dennis & Oscar £324.49
Post & Packing Please add £2.65

A1200 Desktop Dynamite Pack with Wordworth, Print Manager Delux Paint 4, Dennis , Oscar, Elite II & Batman Returns £335.49
Post & Packing Please add £2.65

10 Cap Easi View Disk Box	£1.20
40 Cap Lockable Disk Box	£3.99
100 Cap Lockable Disk Box	£4.50
10 Cap Easi View Box 10 Disks 3.5" DS/DD With Labels	£4.99
10 Cap Easi View Box 10 Disks 3.5" DS/DD Labels & Mouse mat	£5.99
10 Cap Easi View Box 10 Disks 3,5" DS/DD Labels,Disk Head Cleaner	£6.99
10 Cap Easi View Box 10 Disks3.5" DS/DD Labels Disk Head Cleaner& Mouse,mat	£7.99

Post & Packing Please add £1.50 on any one item above, multiple items Please Phone

Wrist Rest - Helps to alleviate Repetitive Strain	£6.99
Mousemat	£2.25
Diskhead Cleaner 3.5"	£2.99
Printer Lead	£3.99
Amiga To TV Scart Lead	£9.99
Amiga To TV Sony Lead	£9.99
Joystick Splitter Lead	£5.99
Joystick Extension Lead	£5.99
Labels for 3.5" Disks per 1000	£9.99

Protective Corner Support Pads .... Set of Four £3.99
Manufactured from black acoustic foam 38mm x 38mm x 4mm thick.with self adhesive peel off backing.
A600 & A1200 Dust Covers £4.99
Post & Packing please add £1.50 on any one item Mutiple items Please Phone.

ALL PRICES INCLUDE VAT & DELIVERY UNLESS OTHERWISE STATED AND APPLY TO THE UK MAINLAND ONLY, PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE, ERRORS & OMISSIONS ACCEPTED. CHEQUES.POSTAL ORDERS PAYABLE TO: *"DISCTECH UK"*, PLEASE ALLOW 6 WORKING DAYS FOR CHEQUE CLEARANCE. SAME DAY DESPATCH ON CREDIT CARDS , POSTAL ORDERS, BANKERS DRAFTS. NO CREDIT CARDS WILL BE DEBITED UNTIL GOODS ARE DESPATCHED

1x100 Cap lock Disk Box, 100 3.5" DS/DD Disks & Labels	£39.49
2x100 Cap Lock Disk Box , 200 3.5" DS/DD Disks & Labels	£75.49
3x100 Cap Lock Disk Box, 300 3.5 " DS/DD Disks & Labels	£110.49
Bulk 3.5" DSHD Disks with Labels 50	£35.49
Bulk 3.5" DSHD Disks with labels 100	£59.49

Post & Packing £2.00 on above items

Canon BJ1OSX Bubble Jet Printer	£199.49
Canon BJ1OSX Sheet Feeder	£49.49
Canon BJ1OSX Cartridges	£17.49
Panasonic 1123 Mono 24 Pin Printer	£169.49
Panasonic 2123 Colour 24 Pin Printer	£213.49
Cumana External Disk Drive for all Amigas	£54.99

Post & Packing Please add £2.65

Cumana External Disk Drive for all Amigas
100 Blank Disks 3.5" DS/DD
100 Labels for 3.5" Disks
1 x 100 Capacity Cap Lockable Disk Box
} ....£92.49 Post & Packing Please add £2.65

CD 32 SOFTWARE

	RRP	OUR ... PRICE		RRP	OUR PRICE
Alfred Chicken	£25.99	£20.49	Nigel Mansell's	£29.99	£23.49
Dangerous Streets	£29.99	£23.49	Pinball Fantasies	£32.99	£25.49
Liberation	£34.99	£27.49	Seek & Destroy	£25.99	£20.49
Microcosm	£44.99	£40.49	Sensible Soccer	£24.99	£19.49
Nick Faldo	£34.99	£27.49	Zool	£29.99	£23.49

MANY OTHER TITLES AVAILABLE PLEASE PHONE WITH YOUR REQUIREMENTS

A1200 SOFTWARE

	RRP	OUR PRICE		RRP	OUR PRICE
Alien Breed II	£29.99	£23.49	Pinball Fantasies	£29.99	£23.49
Body Blows Galactic	£29.99	£23.49	Ryder Cup Golf	£25.99	£20.49
Civilisation	£39.99	£31.49	Sim Life	£34.99	£27.49
Ishar II	£29.99	£23.49	Second Samurai	£29.99	£23.49
Jurassic Park	£27.99	£21.49	Simon The Sorceror	£39.99	£31.49

MANY OTHER TITLES AVAILABLE PLEASE PHONE WITH YOUR REQUIREMENTS
Postage & Packing on above add £1.25

ALL ORDERS AND ENQUIRIES TO:

"DISCTECH UK", 134 ALBERT ROAD, SOUTH NORWOOD LONDON, SE25 4JT

WE ACCEPT ACCESS , VISA, MASTERCARD & EUROCARD FOR CONNECT CARDS 35p WILL BE ADDED TO ORDER TOTAL CALLERS WELCOME BETWEEN THE OPENING HOURS OF BUSINESS



Repairs undertaken to Amiga 500 computers at £44.95 inclusive of parts, labour, VAT and return postage/packing

Commodore registered for full technical support

Computers repaired in the quickest possible time

All machines will be overhauled with a full soak-test to ensure optimum reliability

Entrust your machine to the experts, full 90 day warranty

Repairs to disk drive and keyboard also included (extra charge possible if found to need complete replacement)

Repairs to other Commodore systems undertaken - phone for details

Upgrades and expansions supplied and fitted - phone for details

£44.95

To take advantage of this exceptional offer, simply send or hand deliver your computer to our workshop complex, address details below, enclosing this advertisement voucher, payment, fault description, return address, along with your daytime and evening telephone number and we will do the rest. Should you require Group 4 Security return delivery, simply add £5.00 to the repair charge.







WTS Electronics Ltd Chaul End Lane Luton Bedfordshire LU4 8EZ Tel 0582 491949 (6 lines)

(We reserve the right to reject machines which, in our opinion, are beyond repair- Normal charge applies)

KINGS QUEST VI

Step into the unknown once more with Revolution's latest edition to the phenomenal King's Quest series. Steve Keen dons his codpiece and scratches his noggin in preparation for another adventure – when will it ever end?

What have the Tories, the Queen's Christmas speech, and the *Kings Quest* series got in common? You feel like they could all go on for ever. However, where the latter of this trio is concerned this is not such a bad thing. *The Kings Quest* PC games have always been at the forefront in adventure gaming technology and quality.

These adventures are known for their size and detail. And while converting a VGA game the size of number six to the Amiga is no easy task, the shoe-horning skills of the programmers at Revolution have been well utilised and almost everything seen in the PC version has been put into this version.

ONCE UPON A TIME

Plots are everything to adventures so here's a smattering of *Kings Quest VI*s. Lucky prince Alexander, on his way to visit his beautiful beau, princess Cassima, gets shipwrecked. I say lucky because out of all the islands he could have been washed up on he manages to come to rest on the shores of the very isle he was trying to get to in the first place. Upon visiting the princess, Alex has an inkling that all's not well as the once-friendly island has turned hostile and the evil Vizier has taken command of the settlement with plans to marry the young princess. All you've have to do is find out what's going on, rescue Cassima, find her parents (and bring them back to life), defeat the Vizier and restore happiness to the isle – not bad work if you can get it.

Graphic adventures seem to either get bogged down with frustratingly-complicated mouse commands or have you running backwards and forwards around dozens of screens and whirring through hours of disk accessing time, just to complete a single task. *Kings Quest*, however, manages to steer clear of these problems because it features a very user-friendly mouse interface. There are four commands: walk, talk, touch and look. By clicking on the right mouse button you can quickly scroll through them until the pointer changes to the correct icon and then activate the command with a push on the left. A fifth icon is reserved for a single object that you've picked up so that it can be kept to hand and used quickly. No more rummaging through scores of menus to get at your possessions.

SPEEDY GONZALEZ!

Walking around the four islands is just as painless. Simply click where you want Alexander to end up and he'll do the rest, walking around objects or taking the quickest available route. And boy does this guy shift. No pointless ambling or Sunday stroll for this prince, he's a veritable Linford Christie as he strides forcefully from one task to the next.

Frustrating amounts of mouse commands have also been reduced by the system, allowing you to perform a series of manoeuvres with a single mouse action. If you want to examine something on the other side of the screen, just select examine, click on the distant object and that's it, Alex will walk over, pick it up, look at it, tell you what it is and then automatically switch to the appropriate icon for you to act accordingly.



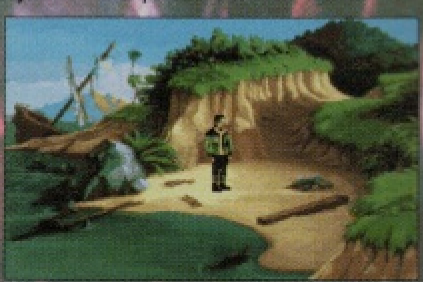


Above: Hi-ho, hi-ho, it's off to find Cassima and her parents we go.
Left: Hmm, can I have two pints of lager and a packet of crisps please... sorry wrong shop.

GET IT ON

Four islands have to be negotiated, as well as a secret one later on in the game. Every isle has a different theme, with different challenges, ranging from the mechanical to the truly mental! Isle Of The Beast is home of the enchanted monster, which looks like something straight out of Disney's Beauty and the Beast. The main challenge in this section is to find the 'beast' a companion, but on the way there are mazes to negotiate, boiling ponds to cross and mystical statues to dodge.

The game has two paths for you to follow. A quick and easy route, where your only headache is to collect the bare essentials to get into the castle and rescue the damsel, or the more complex, full game. The complex version centres around a magical book with three special spells in it. Every spell requires several ingredients and in order you get hold of these you must pay great attention to detail. For example, in one section you'll find a poem. You can either



Can't a man get a little rest around here, what with all this searching and weaving spells?

dump it or send it to Cassima. She will in turn send you back a ribbon from her hair. Nothing special in itself, but if you examine the ribbon closely you might just find that it contains the final ingredient needed to complete a spell.

Kings Quest VI really is a brilliant conversion on the Amiga. The background graphics are sharp and with animated forest creatures, such as rabbits and birds etc, adding to the ambiance, the game throws up delight after delight. The characters and animations for the main sprites, are also spot on. *Kings Quest VI*s control method makes it one of the easiest adventures to play. The sound effects and background music, could have been better – they lacked some life, but that shouldn't put you off this princely game. CU

SIERRA £34.99

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓ A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

SIERRA, THE OLD BREWERY, 4 BREWERY COURT, THEALE, READING, BERKS RG7 5AJ TEL. 0734 303322

RELEASE DATE:	MARCH
GENRE:	ADVENTURE
TEAM:	REVOLUTION
CONTROLS:	MOUSE
NUMBER OF DISKS:	8
NUMBER OF PLAYERS:	1
HARD DISK INSTALLABLE:	YES
MEMORY:	512K

GRAPHICS	89%
SOUND	76%
LASTABILITY	89%
PLAYABILITY	93%

"A welcome and slick addition to the genre."

OVERALL 89%



THE BLUE & THE GRAY

Ever the patriot, Paul Presley turns his nose up at the American Civil War and stomps off muttering something about "Roundheads and Cavaliers" and "That was a real war."

A game based on the American Civil War, eh? I'll tell you this for nothing, it won't catch on over here. Jumping straight into the *Gone With The Wind* era isn't the most engaging of subjects for us 'limeys' to bother with, preferring as we do to mess with our own history rather than someone else's.

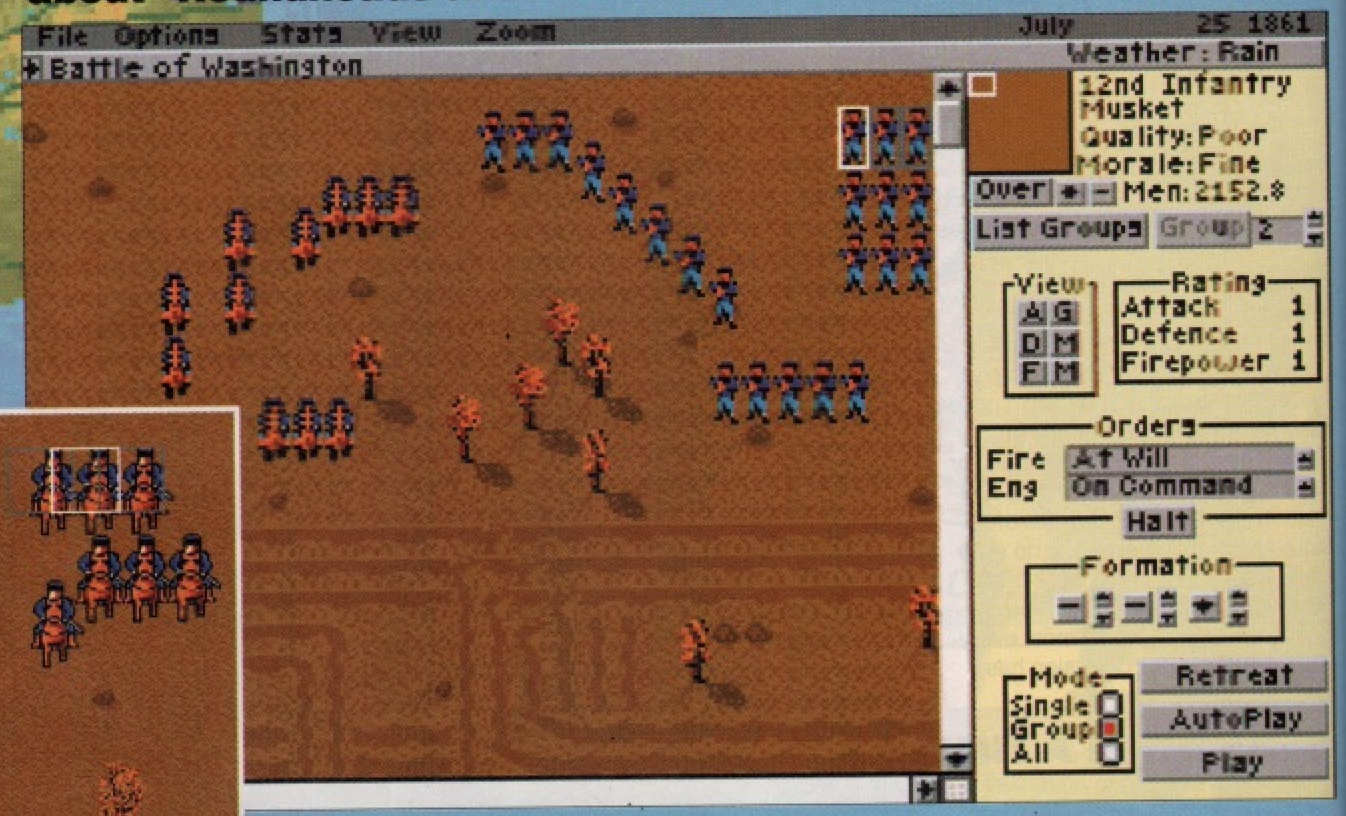
Edward Grabowski may not be the most familiar name on this 'side of the pond', but Stateside he's renowned from Baltimore to Yazzo County for his Micro Miniatures wargame system and he's turned up again with *The Blue And The Gray*, your chance to be General Lee or Stonewall Jackson.

Quite a few of Impressions' strategy titles have employed this top-down tabletop-style engine and frankly, in my opinion, it doesn't work half as well as they think it does.

The initial stages of forming armies and planning strategies on the big ol' American map, checking on resources and second-guessing the enemy is both engrossing and friendly to use. The trouble is that you eventually have to get into a fight – and then the Micro Miniatures section pops up and manages to spoil the party for everyone.

This is a shame because *The Blue And The Gray* is in fact a very absorbing look into the American Civil War until the direct combat system rears its ugly head.

Edward Grabowski has attempted to produce the most comprehensive account of America's biggest internal conflict, using real-life history from the period to add colour to the actual game. You even have the option of reading about important historical moments in the conflict as and when you get to them in the game. There's also a rather thick booklet in the package, recounting the whole war and its effect on America today.



If you need to see more of the action as it unfolds, you can zoom out a level, making the Micro Miniatures even smaller.

The trickiest part of any battle is the preparation. Can you be sure your hard-worked plans will be effective on the day?

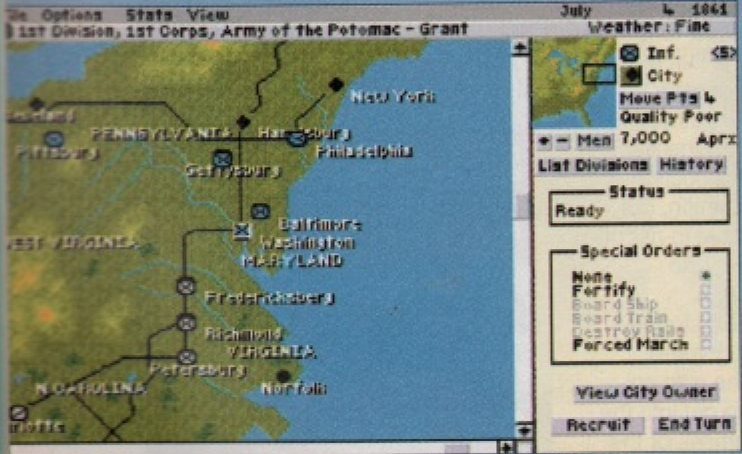
So why is it bad? User-unfriendliness is the plain and simple answer. Graphically it's not so hot either but that's never really been a problem as far as wargames are concerned. I've yet to see one that looks as good as the average beat 'em up, shoot 'em up or any other kind of 'em up that populates the Amiga market. Instead, we seem to be cursed to live with poorly animated sprites that have no real sense of proportion to their surroundings.

Graphics aside, the Micro Miniatures system is one that seems to have been designed with the artificial intelligence factor at the top of its list of priorities – while decent control has taken a back seat. From setting up your troops to keeping track of them all on the field, the whole system just doesn't allow you to get comfortable – and with a strategy game this is very important.

Issuing orders, strategic battle methods and realism aren't this game's strong points: You can tell everyone, a particular group or a single unit to go to a set position on screen and then engage the enemy, but little else. You can't issue orders to take cover, to set up ambushes, to make hit and run attacks or any other tactic that is so often the cause of a great victory. Sure, it's a fine system for calculating the results of X number of men on one side, fighting Y number on the other, but that's it.

You do have the option of not playing the battle sections at all, instead allowing the computer to make the calculations and just tell you the result. Ordinarily, this might have been enough for me, concentrating on getting the strategic elements right. The trouble is that the subject matter is one that begs you to play out each conflict, as the period was rife with battlefield heroism and strong, enigmatic characters leading the fight against overwhelming odds. Plus it doesn't do your strategic planning and operation any justice to see it all result in a number crunching battle when you know that by clever on-field tactics you could outwit a much larger foe. *The Blue And The Gray* needs a more usable battle interface. One that allows for all sorts of situations and events. Without it, it's a hollow fight.

All the strategic planning takes place from here. You can move troops, resupply, attack towns, board trains. Just about anything really.



CORE DESIGN £29.99

A500 ✓	A500+ ✓	A600 ✓	A1200 ✓
A1500 ✓	A2000 ✓	A3000 ✓	A4000 ✓

IMPRESSIONS, UNIT 2/12, CHELSEA GARDEN MARKET, CHELSEA HARBOUR, LOTS ROAD, LONDON, SW10 0XE. TEL: 071 351 2133.

RELEASE DATE:	OUT NOW
GENRE:	WARGAME
TEAM:	EDWARD GRABOWSKI
CONTROLS:	MOUSE
NUMBER OF DISKS:	3
NUMBER OF PLAYERS:	1/2
HARD DISK INSTALLABLE:	YES
MEMORY:	1Mb

GRAPHICS	70%
SOUND	68%
LASTABILITY	79%
PLAYABILITY	66%

"A good wargame, let down by the actual combat section."

OVERALL 69%



LOWEST PRICES

BEST SERVICE

RAPID DELIVERY



GREY-TRONICS LTD

SALES HELPLINE 081 686 9973 / 081 781 1551

DISKS DISKS DISKS + LOCKABLE BOXES

100% CERTIFIED ERROR FREE

50 3.5" DS/DD	£21.99 + 100 cap lockable box	£25.99
100 3.5" DS/DD	£35.99 + 100 cap lockable box	£39.99
150 3.5" DS/DD	£51.75 + 100 cap lockable box	£55.75
200 3.5" DS/DD	£66.99 + 2X 100 "	£75.99
300 3.5" DS/DD	£99.99 + 3X 100 "	£110.99
400 3.5" DS/DD	£132.99 + 4X 100 "	£147.99
500 3.5" DS/DD	£149.99 + 5X 100 "	£169.99
1000 3.5" DS/DD	CALL + 10X 100 "	BEST PRICE

FREE LABELS + FREE DELIVERY BY PARCEL FORCE

3.5" DELUXE LOCKABLE BOXES

40 Capacity £3.99
100 Capacity £4.50
Add £3.10 P&P

3.5" STACKABLE BOXES

110 Cap Banx..........£8.99
150 Cap Posso.......£16.00
Add £3.10 P&P

100 3.5" HIGH DENSITY BULK DISKS £55

AMIGA CD32

4 GAME PACK
OSCAR, DIGGER, DANGEROUS STREET, WING COMMANDER
£278.99

100 GAMES
YES 100 GAMES
£299.99
BELIEVE IT OR NOT

LIMITED STOCK HURRY!!! FREE DELIVERY

AMIGA 1200 PACKS

RACE 'N' CHASE	DESKTOP DYNAMITE
Nigel Mansells + Trolls	Word Worth, Print Manager, Deluxe Paint IV, Oscar, Dennis
£289.99	£319.99

ADD £10 for 10 Disks, Mouse mat, Joystick, Disk Cleaner, 40 Cap lockable box

£309.99	£339.99

FREE Mouse mat - Disk Cleaner - Joystick
Syndicate, Chaos Engine, Nick Faldo's Golf, Pinball

85Mb..........£479.99	85Mb..........£524.99
127Mb........£509.99	127Mb........£559.99

Authorised Dealers – 1yr. at home service FREE DELIVERY

SMART BUY

12 GAMES FOR £14.99
Road to Hell, Tank Battle, AGA Tetris, Pacman 92, Duel, Lemmingoids, Mouseman, Wizzy's Quest, Premier Picks, Tangle, Super League Manager, Bop & Flop

STARTING PACK £14.99 FOR:
10 Disks, Mouse Mat, Microswitch Joystick, Storage box, Disk cleaner
Add £3.10 P&P

AMIGA 4000 Desktop

030EC/2Mb RAM 130 Mb IDE £975
030EC/4Mb RAM 130Mb IDE £1075
030EC/6Mb RAM 214Mb IDE £1165
030EC/6Mb RAM 540Mb IDE £1455
040LC/6Mb RAM 214Mb IDE............£1599
040LC/6Mb RAM 540Mb IDE............£1839

AMIGA 600 WORD PROCESSOR PACK

Lemming pack + Dpaint III £189.99
Wild, Weird, Wicked £199.99
FREE DELIVERY

RAM UPGRADE & MATHS ACCELERATOR

AMITEK HAWK for AMIGA 1200 **FREE DELIVERY**

FREE DELIVERY	No FPU	20 MHz FPU	33 MHz FPU	40 MHz FPU
1Mb Ram	£99	£145	–	–
2Mb Ram	£127	–	£197	–
4Mb Ram	£197	£247	–	£295
8Mb Ram	£389	–	–	£489

TOP QUALITY RIBBONS

	Black Branded	Black Compatible	Colour Branded
Panasonic KXP1124/1123/1180/1080	8.50	3.30	N/A
Panasonic 2123/2180	8.15	4.00	15.45
Citizen 120D/Swift 9/24	N/A	2.70	13.60
Citizen Swift 90/200	N/A	2.70	13.60
Star LC10/20	N/A	2.95	10.99
Star LC200	N/A	3.50	12.30
Star LC 2410/24200	N/A	3.50	12.50
Epson LX400/LQ100	N/A	4.00	N/A

Add £2 for Delivery

AMIGA CABLES

Amiga to TV Scart £10.99
Amiga to Sony TV £10.99
Amiga to Amiga £10.99
Modulator overhang lead 23M/23F £11.99
Python 1M Joystick £8.75
Joystick Splitters (2) £5.99
Joystick Extension Lead 10ft £5.99
Printer Lead £4.00

DUST COVERS

Amiga 1200/500/500P/600 ....£4.00
Commodore/Philips monitors..........£4.00
Star/Citizen/Panasonic Printers £4.00

INKJET CARTRIDGES & REFILLS

HP Deskjet Black Ink Cartridges (Discontinued) .£14.99
HP Deskjet Black Ink Refill £9.99
HP Deskjet Black Dual Capacity Cartridge.....£21.99
HP Deskjet Black Dual Capacity Refill..........£14.99
HP Deskjet 500 C Colour Cartridges..........£25.99
HP Deskjet 500 C Colour Refill £16.99
Cannon BJ 10e/ex Black ink Cartridges........£16.99
Cannon BJ 10e/ex Black ink Refill £9.99

Add £2 for Delivery

PRINTERS

FREE Wordworth Word Processor RRP £129.99 AS STOCK LAST
Free Leads, Free delivery with **all printers**

Panasonic 2123 24 pin Colour £204.99
Citizen Swift 200 24 pin colour..........£204.99
Star LC24-30 24 pin colour + sheetfeeder ...£229.99
Star LC100 9 pin colour..........£149.99
Citizen Swift 90 9 pin colour £164.99
Panasonic 1170 9 pin mono £129.99
Panasonic 1123 24 pin mono £149.99

MONITORS

Commodore 1084/1085..........£189.99
Sharp TV/Monitor £179.99
Commodore 1942..........£334.99
FREE DELIVERY

ACCESSORIES

3.5" Disk head Cleaner £2.99
Mouse Mat..........£2.25
1000 Labels £10.00
Amiga Disk Drives (Cumana/Amitek/Zappo).....£54.99
Manhattan Mouse Amiga/Atari £12.50
Universal Printer Stand £4.99
ADD £2.00 FOR DELIVERY

ALL PRICES INCLUDE VAT & DELIVERY (Unless otherwise Stated) WITHIN 3 DAYS (UK MAINLAND ONLY)
ADD £8.00 FOR NEXT DAY DELIVERY CALL OR SEND CHEQUES/POSTAL ORDERS TO:

GREY-TRONICS LTD, UNIT 1015 WHITGIFT CENTRE, CROYDON, SURREY CRO 1UU

SALES HELPLINE: 081 686 9973 Mail order prices only **FAX: 081 686 9974**

All offers subject to availability. E&OE. Prices/Pack details may change without notice due to currency fluctuations. Please allow 6 working days for cheques to clear.



THE HEAT IS ON

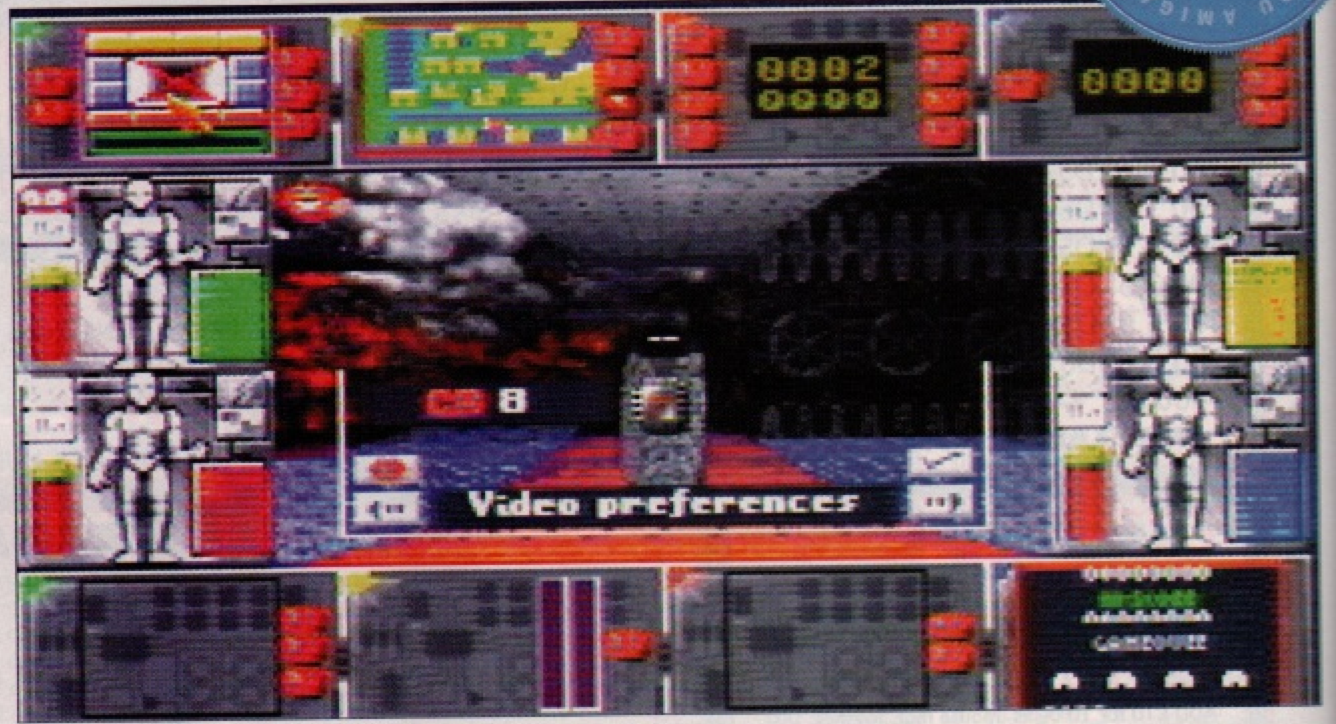




LIBERATION CAPTIVE 2

CU AMIGA SUPER STAR

The world's greatest CD32 game makes it onto the floppies. Tony Dillon wonders how they managed to cram so much in.



What's this? *Liberation* on five floppy disks? Can't be done, surely? I've played the thing on CD32 for many days and nights, and I can tell you now that it's a monster. An enormous, sprawling city of an adventure, it would take considerably more than a Red Bus Rover to get around this game in a day. There can't really be any way of doing this on an A500 – convincingly anyway, is there?

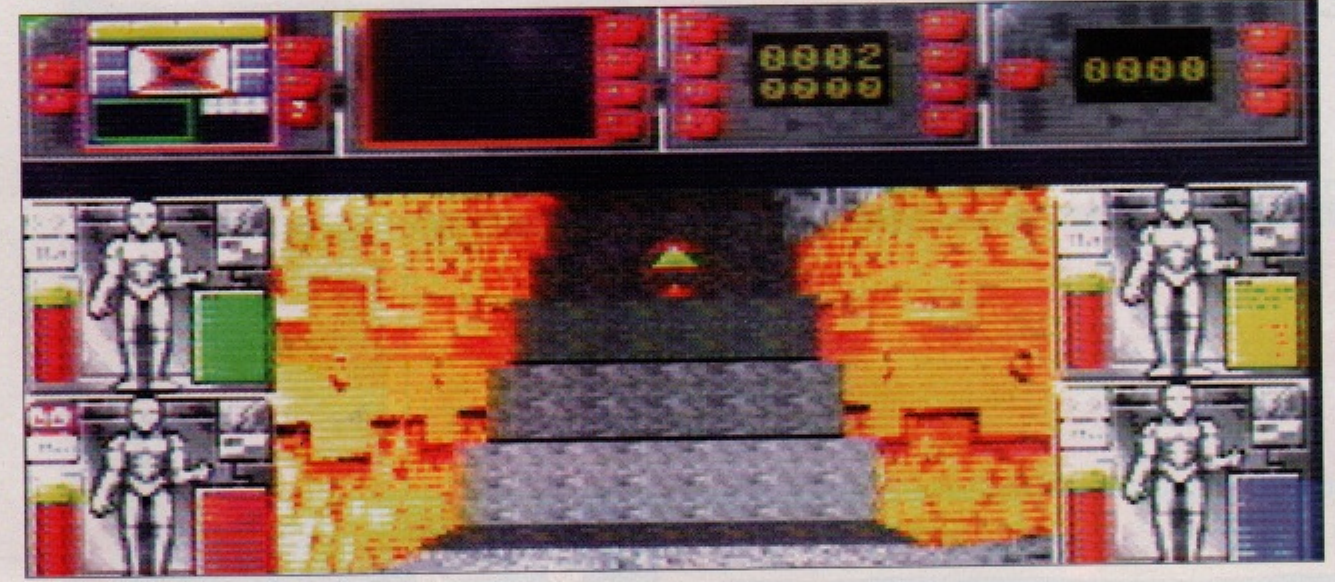
Those were my first thoughts on opening the envelope from Burgess Hill that dropped on my desk one cold morning. Fifteen minutes later, I realised how much I had underestimated the skills of Tony Crowther. *Liberation* on disk is almost identical to *Liberation* on CD, with the exception of the in-game speech. But, for the moment, let's assume you haven't seen the CD version.

Trill, the hero of the original captive, is now free. At least, free enough to discover a police conspiracy and get completely caught up in it. The police interrogation robots have some major flaws, and somehow always seem to end up killing the people they are meant to be interrogating. To cover this up, the fuzz are hiding the evidence and planting the blame on a lot of innocent people. As is usual with these games, you are the only person outside the police force who knows this, and as a result they are after you in a big way. Which leaves you with a couple of simple aims; free all the innocent captives, and expose the police for the treacherous bunch they are. It won't be easy, but then no-one ever said it would be.

(Top)As you wander around, you will find chips that allow you to tailor the game.
(Left) Computers will happily give you directions, but not much else.



The foot of a staircase is a very vulnerable place to stand. Luckily for you, you can look all around.



Like so many Tony Crowther products, this is a real step away from the norm when it comes to sleuth-style adventure games. Probably the closest thing I can compare it to is *Legends Of Valour*, in which you start with a basic aim and a couple of addresses, then you're let loose in the city without any idea of where you're going. In *Liberation* you start outside the City Records office in the middle of town and from there have to find your way around, and it's surprisingly daunting.

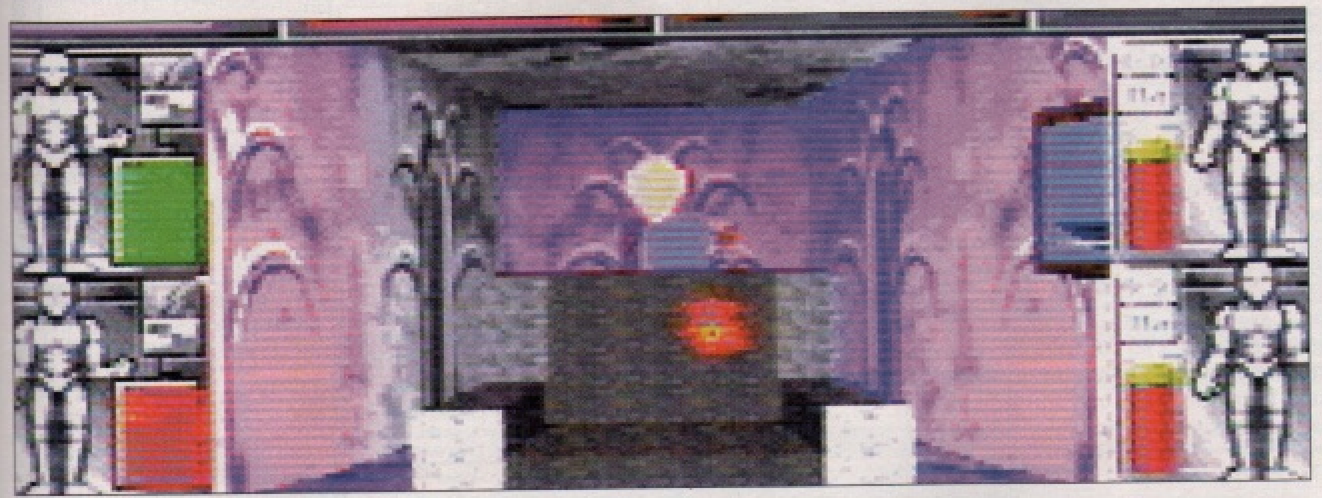
Imagine being dropped in the middle of a strange land without a map or a guide to the local laws and

City mapper
No device found, to navigate.
Hello, and welcome to a Navi Com.
Just select your destination from my list and I shall endeavour to navigate you there.
Error 957. NetLink lost. Directions Unavailable.
Gonbaabin DataNet apologise for any inconvenience.
No device found, to navigate.

By using curves instead of straight lines, Liberation gives a real feeling of depth. I can see for miles and miles and miles and miles...

THE HARDER THE BETTER

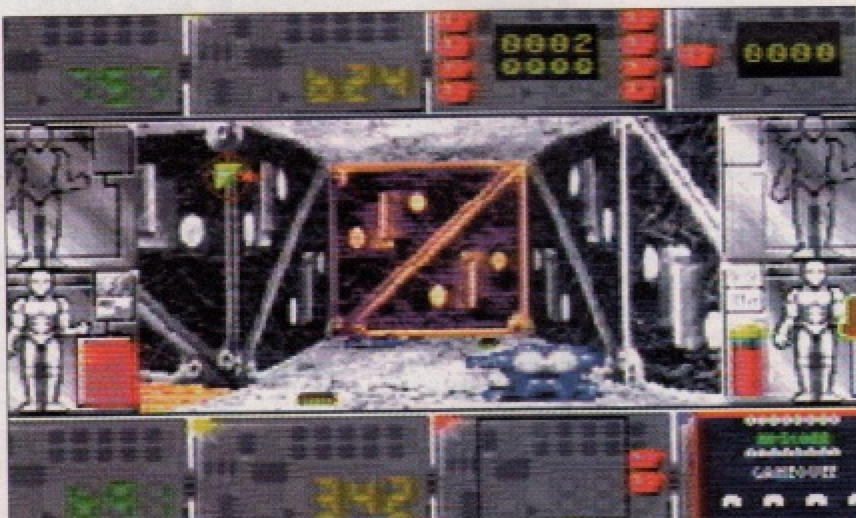
Although *Liberation* can be run from floppy, try to get hold of a hard drive to see what it really can do. There are big improvements, like faster loading times and better flowing gameplay, while the improved graphics make the game look stunning. Instead of four varieties of wall when a building is loaded, you can have up to 71 different types, plus you can decide the detail level of each texture map as it is generated. 'fast but crude' makes for a smooth frame rate, whereas 'lovely but slow' is exactly the opposite.



Could this fully furnished flat be within your range? No seriously, you never know what you can find down the backs of sofas.

told to find one specific brick in a wall. That should give you some idea of the sheer size of the challenge that faces you. Still, in true 'I know a man who can' tradition, the first thing you need to do is start questioning people. Unfortunately, the natives look anything but happy or friendly, so even knowing whether to smile or open fire is a challenge in itself. That said, most are willing to engage in conversation with you, if only to tell you to get lost. But, with your meagre bundle of facts and a shortlist of addresses, you've got to start the questions rolling somehow. And hope for some answers.

Before too long though you've got contacts, keys and more information than you know what to do with. You arrange meetings with people, walk into traps, take the wrong turning into dark alleyways and do all sorts of other things only found in truly great detective movies. That in itself



Strange spider creatures aren't the only nasty things that go for your blood. There are little guys with great big eyes too.

makes *Liberation* a great game, but there's so much more to it than that.

For one thing, it looks fabulous. Texture mapped, light-sourced polygons make up all of the people and creatures in the game, as they walk around full colour, texture mapped buildings and streets.

The game has the sort of realism that until now was unseen in this kind of adventure – okay, so it isn't *Doom*, but it's still extremely impressive.

Playing from floppy rather than a hard drive does limit the number of different texture maps available – generally only four different wall patterns are held in memory at any one point whereas playing from hard drive gives you access to 71 different patterns provided you have the space. Even with four different patterns, the way light and colour has been used to show distance makes each room look quite individual.

If *Legends Of Valour* had one flaw, it was the fact that most of the buildings looked the same, so it was easy to get lost. Real cities aren't like that, and this game shows how they should be represented.

Through clever use of text, graphics and sound Tony Crowther has managed to create a game that is well paced, tense and incredible addictive. Part of you wants to take it easy and examine ever corner, while another part of you wants to keep running, and jumps every time a police droid rounds a corner.

To be honest, the couple of weeks I've had with this game just aren't enough to give you a complete review – this is the kind of game you'll need to spend at least a month playing before you are fully conversant with it.

This is easily one of the best games I have ever played, and one I will most likely keep returning to for months on end.

A very sophisticated game for very sophisticated gamesplayers.

MAKING ROOM

There has always been a difficulty in the past when it comes to deciding how an inventory should work. Should you be restricted to a certain number of objects, or should the whole thing be worked out using encumbrance rules. *Liberation* uses a revolutionary method that says, 'if you can get it to fit, you can carry it'. Your backpack has a limited amount of space, and each object you place in it takes up some of it. The thing is, you've also got to make sure that once you have the object in the backpack, you can actually slide it out, or you'll have to start taking other items out of the way every time you want to use something such as a keycard. It's this attention to detail that makes *Liberation* as cool as it is.

MINDSCAPE £29.99

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

MINDSCAPE INTERNATIONAL,
PRIORITY HOUSE, CHARLES AVENUE,
MALTINGS PARK, BURGESS HILL,
WEST SUSSEX RH15 9PQ.
TEL: 0444 246333

RELEASE DATE:	OUT NOW
GENRE:	ADVENTURE
TEAM:	TONY CROWTHER
CONTROLS:	MOUSE
NUMBER OF DISKS:	5
NUMBER OF PLAYERS:	1
HARD DISK INSTALLABLE:	YES
MEMORY:	1.3 Mb

GRAPHICS	95%
SOUND	82%
LASTABILITY	98%
PLAYABILITY	95%

'One of the best Amiga games ever.'

OVERALL 96%

OPEN 7 DAYS

ALL PRICES INCLUDE VAT

TRILOGIC

ALL DRIVE SIZES ARE APPROXIMATE & VARY WITH MAKE SUPPLIED

UNIT 1,
253 NEW WORKS RD,
BRADFORD, UK,
BD12 0QP   Est 1984
FAX 0274 600150

SALES 0274 691115

ACCESS VISA SWITCH DELTA CONNECT AMEX

SWITCH CARDS ACCEPTED FOR TELEPHONE ORDERS

FAST PROFESSIONAL MAILORDER SERVICE. SAMEDAY DESPATCH^

1) Order by phone using your credit, charge, or debit card.
2) Order by Mail - sending cheque bankers draft or postal orders payable to TRILOGIC.
3) Please add part postage & packing of £1.00 to small orders under £100 or £2.00 to small orders over £100. Large/heavy or fragile items sent by carrier only: 48HR £5.50; Overnight £7.50 Uk Mainland only. Scottish Highlands £9.50; N.IRELAND. £12.00; EIRE +£20 UK Saturday delivery £14.00 (Not available to Scottish Highlands) Goods remain our property until paid for. ^Subject to goods being in stock.

HARD DRIVE 1200s AT LOW PRICES

FROM THE UKs No. 1 AMIGA HARD DRIVE SPECIALISTS

A1200 NO HD	ONLY £279.99
A1200+64MEG	ONLY £439.99
A1200+80MEG	ONLY £454.99
A1200+170MEG	ONLY £499.99
A1200+212MEG	ONLY £514.99
A1200+250MEG	ONLY £539.99
A1200+340MEG	ONLY £579.99
A1200 + 420MEG	ONLY £619.99
A1200 + 540MEG	ONLY £699.99

OPTIONAL 2ND YEAR WARRANTY £27.99

ALL PRICES INCLUDE 12 MONTHS WARRANTY - covering computer & drive. FREE COLLECTION/DELIVERY in the event of breakdown.

PRICES SHOWN ARE FOR RACE n CHASE PACK
ADD £50 FOR DESKTOP DYNAMITE PACK

HAVE A HARD DRIVE FITTED

WE'RE THE HARD DRIVE EXPERTS - 100s OF SATISFIED CUSTOMERS



OH DEAR! HE NEEDS A HARD DRIVE !

PRICE INCLUDES:

* FREE FITTING WHILE U WAIT
* OR IF DIY - CABLES & FULL INSTRUCTIONS INCLUDED.
* READY FORMATTED & PARTITIONED DRIVE.
* FULL WORKBENCH INSTALLED.
* 12 MONTHS WARRANTY.
* JUST PLUG IN & GO.
* ONLY FAMOUS MAKES OF DRIVE FITTED each selected after extensive testing on an A1200.
* FREE UTILITIES worth £19.99 see opposite for details.
* COLLECTION SERVICE

Not local ? - we collect fit, & return by overnight carrier for only £19.99 extra. (Mainland only)

AND REMEMBER

If we fit the drive, we cover your computer for the remainder of its 12month warranty.

SUPPLIED READY TO FIT & USE	INTERNAL	EXTERNAL
40 MEG	only £129.99	n/a
64 MEG	only £159.99	n/a
80 MEG	only £179.99	n/a
170MEG	only £219.99	£279.99
210MEG	only £234.99	£294.99
250MEG	only £259.99	£319.99
340MEG	only £299.99	£359.99
420MEG	only £349.99	£399.99
540MEG	only £449.99	£499.99

YOU CAN'T GO WRONG...

ALL OUR DRIVES FIT INTERNALLY WITH NO MODS TO CASE, OR FLOPPY DRIVE.

All drives are formatted, partitioned & FULL workbench is installed so they are ready to use. We've 100s of satisfied 1200 hard drive users & *if we fit the drive - we cover your Amiga for the remainder of its 12month warranty*, so don't be put off by 'SOUR GRAPES' warnings from other advertisers !

FREE with All HARD DRIVES & HARD DRIVE AMIGAS OVER 200MEG*

HARD DISK TOOLS

Rated 91% in March '93 Amiga Format. Similar to Quarterback Tools Deluxe, but better. Complete with manual. *Just £15.99 with smaller drives, otherwise £19.99

CHAOS PLUS PACK £19.99

NEW

CHAOS ENGINE
SYNDICATE
PINBALL FANTASIES
NICK FALDOS CHAMPIONSHIP GOLF
QUALITY JOYSTICK
MOUSE MAT
DUST COVER
+ FREE EXTRA GAME (our choice)
ONLY £19.99 WITH ANY HARD DRIVE AMIGA. Standard Chaos Pk AVAILABLE SEPARATELY FOR £29.99
LIMITED STOCKS A1200 / 4000 ONLY

AMIGA 4000

A4000 030EC

	2MEG	4MEG	6MEG
80M HD*	£979	£1079	£1129
130M HD	£999	£1099	£1149
170M HD*	£1029	£1129	£1179
212M HD*	£1049	£1149	£1199
250M HD*	£1069	£1169	£1219
340M HD*	£1099	£1199	£1249
420M HD*	£1149	£1249	£1299
540M HD*	£1249	£1349	£1399

PRICES INCLUDE FREE DELUXE PAINT 4 & WORDWORTH V2

* SPECIAL OFFERS SUBJECT TO AVAILABILITY

4000 040LC/6MEG

(170 TO 540M HD VERSIONS ONLY) ADD £450 TO ABOVE 030 6MEG PRICES

GVP SCSI INTERFACE £119.99

ADD PC COMPATIBILITY TO YOUR 2000,3000 OR 4000

VORTEX 486 25MHz PC CARD ... £499.99
VORTEX 486 50MHz PC CARD ... £649.99
BOTH PC CARDS HAVE 2.5MEG RAM ON BOARD
SVGA CARD for above from ... £49.99
GC FDD CONTROLLER CHIP £29.99
MONITOR MASTER enables VGA monitor to display PC & Amiga output. . £109.99

PRINTERS

PRICES DOWN

CITIZEN PRICES DOWN

CITIZEN SWIFT 90 MONO	£149.99
CITIZEN SWIFT 90 COLOUR	£159.99
CITIZEN SWIFT 240 MONO	£204.99
CITIZEN SWIFT 240 COLOUR ...	£229.99
CITIZEN SWIFT 200 MONO	£179.99
CITIZEN SWIFT 200 COLOUR ...	£194.99
PROJET II - NEW MODEL	£239.99
PROJET II COLOUR	£299.99

HP DESKJET DEALER

DESKJET 550 C	£489.99
DESKJET 310 MONO	£234.99
DESKJET 310 COLOUR	£274.99
310 SHEET FEEDER	£49.99

CANON DEALER

CANON BJ10SX	£195.99
CANON BJC600	£559.99
BJ10 AUTO SHEET FEEDER	£49.99

MONITORS

MICROVITEC CUBSCAN 14

HI-RES COLOUR MONITOR

with Digital memory picture sizing for borderless display

NOW ONLY £399.99

WORKS IN ALL 1200 MODES

MICROVITEC

20" CUBSCAN £949.99

SUPERFI 1 STEREO SPEAKERS £19.99 WITH ANY CUBSCAN/AUTOSCAN MONITOR

MICROVITEC AUTOSCAN 14

HI-RES COLOUR MONITOR

(Similar spec to above, without Digital memory)

NEW only £289.99

32BIT RAM CARDS

0MEG	£69.99
1MEG	£94.00
2MEG	£124.99
4MEG	£194.99
8MEG	£389.99

BATTERY BACKED ON-BOARD CLOCK & FPU SOCKET

Made by Amitek

WITH OPTIONAL 68882 FPU.

20MHZ FPU ADD	£49.00
25MHZ FPU ADD	£59.00
33MHZ FPU ADD	£69.00
40MHZ FPU ADD	£99.00

DIY HARD DRIVE KIT

AMIGA 600/1200
XDS 3.5" HARD DRIVE HOUSING KIT

* COLOUR MATCHED ALLOY CASE
* TAKES 3.5" IDE DRIVES
* IDE ADAPTOR & 2.5" CABLE inc power connector.
* HD INSTALL / PREP DISK
* EXTERNAL PSU SOCKET

ONLY £69.99

2.5" TO 2.5" IDE CABLE £9.99
3.5" TO 2.5" ADAPTOR & CABLE £21.99

A1200 ACCELERATORS

NEW GVP A1230-2 40MHz

With 68882 socket for FPU. Has two 32bit simm skts & expansion connector.

WITH no fpu & 0meg £299.99
WITH 4MEG no FPU £439.99
WITH 4MEG & 40MHz 68882 .... £539.99

NEW GVP A1230-2 50MHz

50MHz WITH no fpu & 0meg ... £364.99
50MHz WITH 4MEG no FPU £539.99
SCSI MODULE £74.99

VIDEO DEPT

GVP GENLOCK £289.99
MINIGENLOCK PRO £144.99

PRO VIDEO PROCESSOR

ONLY £149.99

A standalone TWO input audio & VIDEO MIXER (with SVHS in/out). Has crossfade, fade to black, overlay; wipes, tint & 2 mic + stereo line inputs. AMAZING VALUE

VIDI 12	£ 78.99
VIDI 12RT	£179.99
VIDI 24RT	£249.99
GVP IV 24 from	£989.99
GVP EGS SPECTRUM FROM	£339.99
EPSON GT6500 COLOUR SCANNER	£689.99
EPSON GT8000 COLOUR SCANNERS	£1189.99
ADSC SOFWARE with scanner ..	£98.99
HAND SCANNER 64GREY 400DPI .	£109.99

TOP SOFTWARE

EDUCATIONAL TITLES SUPPLIED E

ADSC SCANNER SOFTWARE	£109.99
ADI JUNIOR RANGE	£14.99 E
ADI RANGE	£17.99 E
ALADDIN 4D V3	£199.99
AMOS	£31.99
AMOS - EASY	£23.99
AMOS 3D	£22.99
AMOS COMPILER	£19.99
AMOS PROFESSIONAL - DOWN TO	£37.99
AMOS PRO COMPILER	£23.99
ART DEPT PRO AGA	£139.99
BRILLIANCE	£144.99
BARS AND PIPES PRO V2	£229.99
CROSS DOS V5	£34.99
DELUXE PAINT 4AGA	£64.99
DELUXE MUSIC 2	£64.99
DEVPAC 3	£57.99
DIRECTORY OPUS V4 ONLY ..	£48.99
DISTANT SUNS V4.2	£49.99 E
ECLIPS 1 OR 2	£49.99
EDITMATE	£189.99
FINAL COPY 2 r2 NEW VERSION	£67.99
FINAL WRITER	£99.99
FUN SCHOOL 3 RANGE	£14.99 E
FUN SCHOOL 4 RANGE	£17.99 E
GIGAMEM	£54.99
GB ROUTE PLUS	£35.99
GOLD DISK OFFICE 3	£44.99
HYPERCACHE	£37.99
HISPEED PASCAL	£72.99
HISOFT BASIC	£49.99
HOME ACCOUNTS 2	£34.99
IMAGEMASTER -	£119.99
INTROCAD PLUS	£19.99
KID'S PIX	£19.99
KINDWORDS 3	£24.99
LATTICE/SAS C V 6.1+	£279.99
MAKEPATH FOR VISTA	£29.99
MAXIPLAN V4	£25.99
MERLINS MATHS	£17.99 E
MEDIA POINT	£324.99
MICRO RANGE	£17.99 E
MINI OFFICE BARGAIN ..	£38.99
MORPH PLUS £13 OFF ..	£139.99
MONEY MATTERS	£49.99
MUSIC X 1.1	£24.99
NODDY'S PLAYTIME	£17.99 E
NODDY'S BIG ADVENTURE	£17.99 E
PAGESETTER 3	£41.99
PAINT n CREATE	£17.99 E
PAGESTREAM 2.22	£69.99
PENPAL STILL ONLY ...	£35.99
PROFESSIONAL DRAW 3	£POA
PROFESSIONALPAGE 4	£99.99
QUARTERBACK 5	£49.99
QUARTERBACK TOOLS DELUXE ...	£99.99
REAL 3D PROFESSIONAL V2	£349.99
SCALA MM200	£144.99
SCENERY ANIMATOR	£59.99
SPELLING FAIR	£17.99 E
SUPERBASE PERSONAL 4	£119.99
SUPERBASE PROFESSIONAL 4 ...	£239.99
TECHNOSOUND TURBO 2	£34.99
TERRAFORM	£26.99
THE PUBLISHER	£24.99
TURBOPRINT PRO V2	£34.99
UPPER HARD DISK TOOLS	£19.99
VIDEO DIRECTOR	£109.99
VISTA PRO 3	£57.99
WORDWORTH 2 aga	£44.99

COMPUTER MUSIC DEPT

PRO MIDI INTERFACE

ONLY £22.99

UNIQUE 5 PORT DESIGN COMPATIBLE WITH ALL AMIGA MIDI SOFTWARE

Midi leads 1.2m -£1.99 3m - £2.99

SUPERFI 2 STEREO SYSTEM

HI FI QUALITY & only £54.99

20WATTS BASS, TREBLE & VOLUME CONTROLS

SUPERFI 1 STEREO SYSTEM

ONLY £19.99

(Optional mains psu £4.99)

BOOKS & VIDEOS

BRUCE SMITH BOOKS

MASTERING AMIGA AREXX	£21.95
MASTERING AMIGA DOS 2 VOL 1	£21.95
MASTERING AMIGA DOS 2 VOL 2	£19.95
MASTERING WORKBENCH	£19.95
MASTERING AMIGA DOS 3 VOL 1	£21.95
MASTERING AMIGA DOS 3 VOL 2	£21.95
MASTERING AMIGA C	£19.95
MASTERING AMIGA PRINTERS ...	£19.95
MASTERING AMIGA ASSEMBLER ..	£24.95
MASTERING AMIGA SYSTEM	£29.95
MASTERING AMIGA AMOS	£19.95
A600 INSIDER GUIDE	£14.95
A1200 INSIDER GUIDE	£14.95
A1200 THE NEXT STEPS	£14.95
ASSEMBLER INSIDER GUIDE	£14.95

VIDEOS

DELUXE PAINT 4 VIDEO	£12.99
ADVANCED DELUXE PAINT 4	£12.99

3.5" AMITEK DRIVE

ONLY £54.99

ANTI VIRUS/ ANTI CLICK/ DISABLE SWITCH/ THRU PORT/ STEEL CASE/ FOR ALL AMIGAS; 2YR WARRANTY.

MISCELLANEOUS ITEMS

AMIGA PRINTER PORT EXPANDERS

FREE CABLE WORTH £10.99

2way - £24.99 inc cable
3way - £27.99 inc cable
4way - £29.99 inc cable

For connecting upto 3 devices to your computers PRINTER PORT. Switch to computer lead included:- State 'LONG' for printers; or Short for Digitiser, scanner & samplers.

SEAL N TYPE KEYBOARD SKINS £12.99

KEEPS OUT DUST & LIQUIDS.

Fit snugly over your keyboard - moulded to fit over each key, but flexible enough to type through unhindered. Available for all AMIGAs - please state which.

MONITOR LEADS

CD 32 RANGE available - please enquire.

AL1 - MOST TVs WITH SCART SOCKET TO ALL AMIGAS inc audio lead .. £13.99
AL6 AMSTRAD CPC 464 MONITOR £13.99
AL6B AMSTRAD STEREO MONITOR £14.99
AL7F CM8833/1084S MONITOR TO ALL AMIGAS inc sound lead £14.99
AL11 9PIN MALE MULTISYNCS LEAD TO ALL AMIGAS £12.99
AL12 15PIN FEMALE 3ROW Many multisync monitors £14.99
AL13 15PIN MALE 3ROW Many multisync monitors £14.99
PRODUCTIVITY LEAD FOR MULTISYNC MONITORS 9 or 15 plug or skt £19.99
MODULATOR EXTENSION LEAD - Reduces modulator overhang £10.99
MONITOR SWIVEL - HEAVY DUTY £12.99
A1200 WORKSTATION £39.99

SPARES & MISC

TV MODULATOR (exchange)	£19.99
1520 TV MODULATOR - NEW	£29.95
PARNET CABLE 3M LONG	£19.99
KICKSTART 1.3 ROM	£29.99
KICKSTART 2.04 ROM	£29.99
8520A I/O CHIP	£15.99
A500 INTERNAL DRIVE	£59.99
GVP GENUINE PSU	£69.95
A500/600/1200 PSU	£39.99
A1200 INTERNAL CLOCK MODULE	£15.99

BACKUP UTILITIES

X COPY PRO £25.99
Mk1 CYCLONE ADAPTOR £12.99

NB. Making backups without the permission of the copyright holder is illegal.

TOP AMIGA GAMES

AIR BUCKS 1.2 A1200	£26.99
ALIEN BREED 2	£22.99
BLUE & THE GREY	£26.99
BURNING RUBBER A1200	£19.99
CHAMPIONSHIP MNGR 92/3	£17.99
CHAMPION SHIP MNG 94 UPGRADE	£9.99
CHESS CHAMPION 2175	£14.99
CAMPAIGN 2	£26.99
CIVILISATION A1200	£29.99
COMBAT AIR PATROL	£22.99
COOL SPOT	£22.99
DESERT STRIKE	£23.99
DETROIS A1200	£30.99
ELITE 2 - FRONTIER	£22.99
FLIGHT SIM 2	£29.99
FLIGHT SIM BRIT SCENERY	£32.99
FURY OF THE FURRIES	£22.99
GUNSHIP 2000	£26.99
HIRED GUNS	£24.99
ISHAR A1200	£22.99
ISHAR 2 A1200	£22.99
JURASSIC PARK	£19.99
KINGMAKER	£27.99
NIGHTHAWK	£26.99
OVERKILL A1200	£15.99
PREMIERE MANAGER 2 A1200 ...	£19.99
RYDER CUP GOLF	£
SCRABBLE	£21.99
SENSIBLE SOCCER 92/93	£18.99
SETTLERS	£25.99
SIMON THE SORCERER A1200 ...	£30.99
SKIDMARKS	£19.99
SIM LIFE A1200	£26.99
SOCCER KID A1200	£22.99
SPACE LEGENDS	£21.99
STAR TREK A1200HD	£23.99
TRANSARTICA A1200	£22.99

CD32 TITLES - MANY REDUCED

ALFRED CHICKEN	£19.99
ARABIAN KNIGHTS	£14.99
CHAMBERS OF SHAOLIN	£19.99
DANGEROUS STREETS	£22.99
DEGENERATION	£22.99
DEEP CORE	£22.99
FIRE FORCE	£22.99
JAMES POND 2	£22.99
JOHN BARNES FOOTBALL	£14.99
JURASSIC PARK	£22.99
LIBERATION	£22.99
LABYRINTH	£19.99
LOTUS TURBO TRILOGY	£22.99
MEAN ARENAS	£22.99
MORPH	£22.99
NIGEL MANSELLS G PRIX	£22.99
OVERKILL	£22.99
PIRATES GOLD	£22.99
PINBALL FANTASIES	£24.99
PROJECT X	£22.99
SEEK & DESTROY	£19.99
SEVEN GATES OF JAMBALA	£19.99
SENSIBLE SOCCER	£19.99
WHALES VOYAGE	£22.99
ZOOL	£24.99

MICE & JOYSTICKS

BEETLE MOUSE	£15.99
LEGEND BALL	£29.99
EKLIPSE MOUSE	£14.99
MEGA MOUSE 2	£12.99
MEGA MOUSE 400DPI	£14.99
LOGIPAD CONTROLLER	£16.99
STARFIGHTER CONTROLLER	£8.99
PYTHON JOYSTICK	£8.99
TOPSTAR JOYSTICK	£14.99
ZIPSTICK AUTOFIRE	£12.99
PRO ANALOGUE JOYSTICK	£19.99
CD32 CONTROL PADS	£14.99
MOUSE JOYSTICK SWITCH	£9.99

E&OE. Please phone before calling to confirm price & availability. (C) TRILOGIC 1994 All rights reserved.

OPEN MON-FRI 8-6pm, SAT 8-4.30. Sunday - phone for hours.

Odsal Top
New Wks Rd
A641 Huddersfield
Railway Bridges
A638 Bradford
M606
M62 Hull
We are here.
Est 1984
26
A58 Leeds
A58 Halifax

CALLERS WELCOME

AMIGA 500 HARD DRIVES & UPGRADES

GVP SERIES II HD8+ 42 Meg for A500	- PRICE DOWN -	£191.99
GVP SERIES II HD8+ 170meg for A500	SPECIAL OFFER	£349.99
GVP SERIES II HD8+ 340meg for A500	SPECIAL OFFER	£469.99
GVP SERIES II HC8 for A1500/2000/4000 - NO DRIVE		£119.99
GVP SERIES II HC8 + 42meg for A1500/2000		£191.99
GVP SERIES II HC8 + 170meg	SPECIAL OFFER	£349.99
GVP SERIES II HC8 + 340meg	SPECIAL OFFER	£469.99

VORTEX AT ONCE CLASSIC 286 PC EMULATOR FOR A500 ETC £49.99
GVP PC286 PC EMULATOR CARD FOR SERIES II HARD DRIVES £99.99

A590 & GVP SCSI DRIVE UPGRADES. EASY TO FIT.

170MEG £229.99
340MEG £319.99
420MEG £409.99
Suitable for GVP HD8/ HC8/A530 & CBM A590

PRICES WERE CORRECT AS OF 23-2-94, but some may have changed by the time you read this.
All registered Trademarks are acknowledged. Callers are most welcome but please phone first to check availability & avoid disappointment - we try to keep most items in stock unlike some of our competitors and will gladly put items aside for you to collect, but shortages of some items do occur from time to time. 2% surcharge applies to some items paid by Credit card - does NOT APPLY to debit cards - ie SWITCH/DELTA/CONNECT AND cash/cheq. 4% SURCHARGE ON ALL AMEX CARD SALES



This rather handy expanding map will help you find your way around *Naughty Ones.*

Okay, so who's a naughty one then? Me, me, gushed Lisa Collins as she lunged forward to grab hold of Interactivision's latest offering.

Two cute little Blues Brothers lookalikes are happily strolling along, when suddenly the sky darkens, the wind starts to howl (I'm getting scared) and next thing you know they're plunged into a maze-like nightmare. To escape they must battle their way through five mad, bad, and dangerous platform worlds.

WORLDS APART

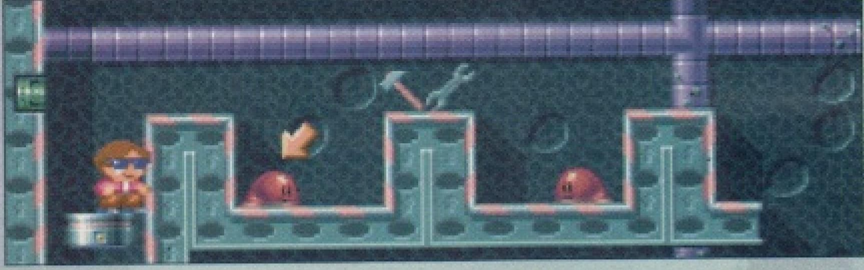
First up is the world of the Mad Mechanics, and no it's got nothing to do with Kevin from Coronation Street going berserk with spanner. Mad Mechanics world is, in fact, a land of evil robots and deadly bouncy balls which you must race through, making sure to pick up the various bonuses lying around.

Next, it's Crazy Clocks world where you must watch out for killer cuckoo clocks before coming up against the enormous end-of-level giant clock. Once you've clocked up enough mileage (aggh!) here it's on to the next level – Foreign Affair. Here you to get to be James Bond for a while. Well, not exactly, but we can all live in hope. After Foreign Affair, it's on to sizzling action in Furious Fire world before finally reaching the last one –Evil Egypt.

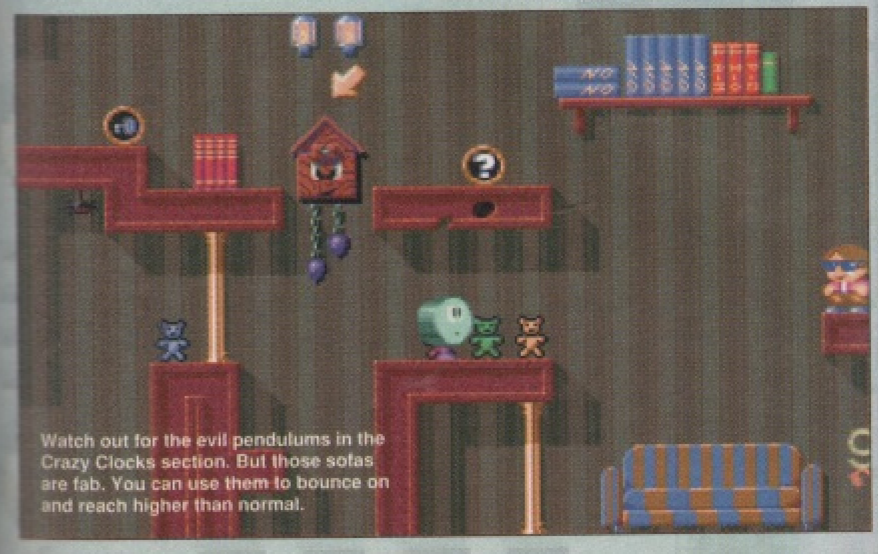
Apart from racing from one world to the next there are also lots of hidden bonus screens littered throughout *Naughty Ones*. For example, in Mad Mechanics, on the very first screen, If you leap to the far left hand side you will discover a bonus level where you can pick up loads of extra points by bouncing from one descending platform to another before you eventually fall off.

Throughout the game some objects are more useful than others: pick up a heart and you will get an extra life, pick up a key and it will tell you where you the next exit is. Oh if only life were that simple.

Naughty Ones is available as AGA and non AGA and, believe it or not, I played both versions. So, what's the difference? Well, to be honest not a lot. The plot, gameplay and sound is the same on both games. The non-AGA version has 32 colours on screen, whilst the AGA version promises 64 colours. We could hardly tell the difference.



There are lots objects which yield extra points in Mad Mechanics world, such as spanners and hammers – ideal for the DIY enthusiast.



Watch out for the evil pendulums in the Crazy Clocks section. But those sofas are fab. You can use them to bounce on and reach higher than normal.

NAUGHTY BUT NICE

Naughty Ones is straightforward platform game, however, as well as the usual bonus screens and general tearing through various levels, there are some nice extra touches. The expanding map is a useful feature, allowing you to go back to earlier screens and pick up any items you might have forgotten. The graphics are good too. My favourite part has to be the Crazy Clocks world, which has nice stripy sofas that you can bounce on to reach those high platforms.

JUST NAUGHTY

Sound however, is the one area where I could really fault *Naughty Ones*. The little ditty playing in background of Mad Mechanics world nearly drove me insane. Playing through a level, with what amounts to piped supermarket music in the background made me feel as if I was trapped in Tescos.

The two-player option is actually quite good, allowing a mate to join in the on the antics. The gameplay, however, is not very challenging. Once you've learned each baddie's modus operandi they become very easy to kill, and despite the constant oncoming fire, it becomes very easy to get through each level. Nonetheless, *Naughty Ones* is a good platform game, one which will keep you happy and entertained for a while – if not for eternity. CU

INTERACTIVISION £25.99



A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

INTERACTIVISION, FULLING MILL BARN, FULLING MILL LANE, WELLWYN HERTS AL6 9NP. TEL:0438 840 004.

RELEASE DATE:	OUT NOW
GENRE:	PLATFORM
TEAM:	MELON DEZIGN
CONTROLS:	JOYSTICK
NUMBER OF DISKS:	1
NUMBER OF PLAYERS:	2
HARD DISK INSTALLABLE:	YES
MEMORY:	1Mb

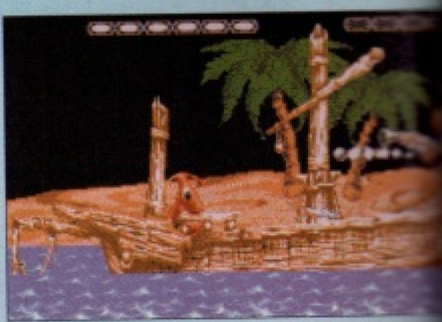
GRAPHICS	80%
SOUND	61%
LASTABILITY	80%
PLAYABILITY	85%

"A good platform game."

OVERALL 80%

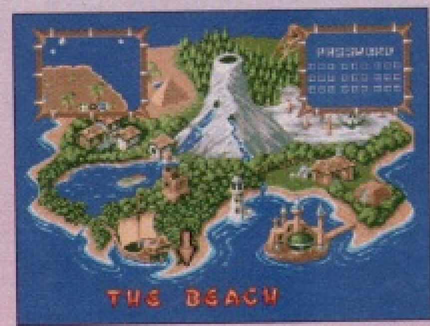


This treasure chest is extremely useful. Open it and it spews out replicas of the items you need to get to the exit.


Here's one of the nasty guardians that you have to battle against.

PUGSY

With more useful objects than a Swiss army knife, is *Pugsy* really a tip-top puzzler of a game? Lisa Collins hurls herself into the fray to find out just how playable it is.



This handy map tells you exactly where you are on the island and where you should go to next.

OBJECT HEAVEN

In Pugsy there are loads of objects to use, stand on, throw and fire with. Here is a small selection of some of the extra handy objects you can find on the alien island.

Treasure chest: This is extremely important as finding and using one one will tell you what object you need to use next in order to proceed.

Book: When you pick this book up and use it - you will not only get a fab pair of glasses but also some extra hitting power.

Hearts: These give you an extra life if you remember to pick them up and carry them through the exit gate.

Pugsy was a hit on the Mega Drive and SNES, but is it going to belt off the Richter scale on the Amiga also? In short, yes. Pugsy, complete with dely-bopper hairdo, kept me completely captivated as he bounced, jumped and ran his way through 51 levels, battling against evil adversaries, including five end of world guardians and, finally, the requisite end of game big baddie. As you puzzle your way through the sections with names like The Star Fall Lake, The Cove, the Beach and The Red Woods, you can't help being blasted by the superb sprite graphics, which include underwater raccoons in diving suits, cute-but-dangerous knights, evil starfish and deadly birds.

PUGSY GO HOME

The story so far... Pugsy's spaceship has been nicked, leaving him stranded on an island on an alien planet. Your job is to help him get off the island and back home to his mummy and daddy.

Don't be fooled by the simple storyline though, Pugsy races through each superbly-animated level using a TOI (Total Object Interaction) system which means that every object you come across can be used to help you out of your predicament. If you have to cross a deep, murky lake then clinging to a light object will help keep you afloat, conversely or if you are being blown about by one of the huge propeller fans, holding a heavy object will keep your feet on the ground.

BRAIN POWER

One of the fab things about Pugsy is that it makes you use your noodle, and lord knows, with all the mindless violence around these days it's a welcome change *(oh shut up Lisa – Ed)*. For example, on one of the levels in the Star Fall Lake section the only way to continue is to put out the flames that block your path, so you have to find something to put them out. But it's not that simple. I quickly found a water pistol, but before the fire had been completely quenched the pistol ran out of water. So I had to troop off and look around for another way to fill the pistol up.

There isn't always one answer to any problem and this adds to the fun. While you are busy working out your next move, you have to watch out for nasty raccoons and and all manner of evil aliens which pop up out of the ground unexpectedly.

SURPRISE CITY

There are a couple of hidden extras which help Pugsy out. If you find a box with a pair of sneakers in it, put them on and Pugsy will speed off faster than the CU AMIGA team on a Friday night at 6.01pm. My favourite item is the small treasure chest which, once opened, will spew out all of the the items that you need to pick up in order to find the exit.

SURROUND SOUND

The game's soundtrack changes and bounces along as Pugsy runs through the levels and worlds. My favourite track is when he has to battle against some cute-but-deadly mini knights in the Keep section and he is accompanied by music which sounds like the soundtrack from a movie set in the Tudor times.

One tiny quibble I did have with the way the game looks was that Pugsy's hand didn't seem to grip objects – it hovered above them rather than grasping them. Also the loading sequence seemed to take forever.

However, these admittedly rather minor quibbles aside, Pugsy is a fab game, which should keep you entertained for days. Buy it. 

PSYGNOSIS £29.99

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

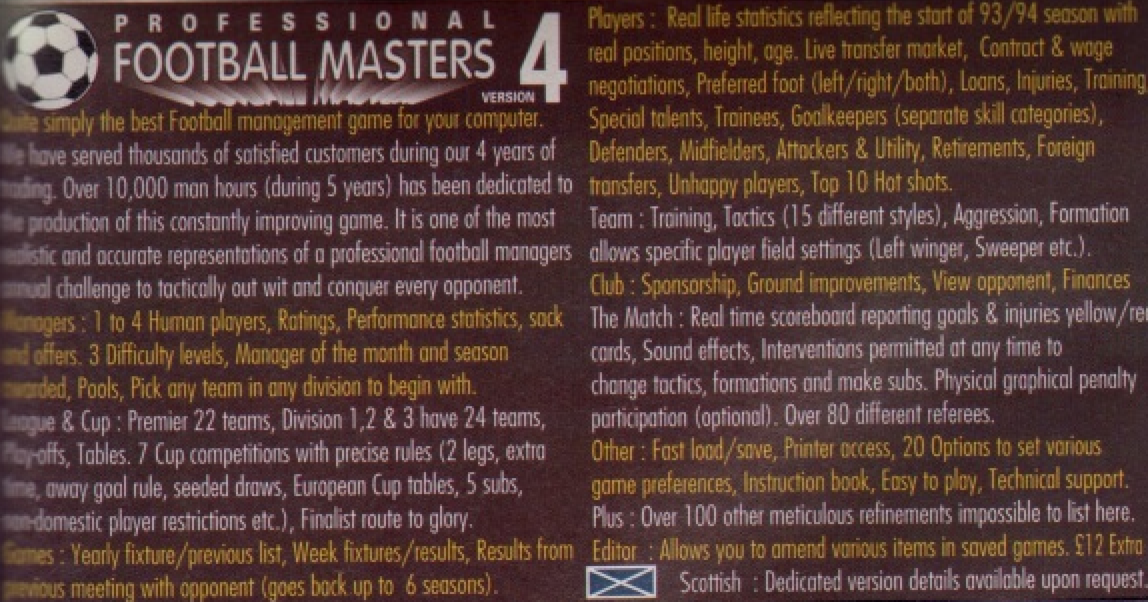
SOUTH HARRINGTON BUILDING, 182 SEFFTON STREET, LIVERPOOL L3 4BQ. TEL:051 709 5755.

RELEASE DATE:	OUT NOW
GENRE:	PUZZLE/PLATFORM
TEAM:	THE DOME
CONTROLS:	JOYSTICK
NUMBER OF DISKS:	4
NUMBER OF PLAYERS:	1
HARD DISK INSTALLABLE:	NO
MEMORY:	1Mb

What a brilliant game.

GRAPHICS	80%
SOUND	80%
LASTABILITY	88%
PLAYABILITY	90%

OVERALL 90%



PROFESSIONAL FOOTBALL MASTERS 4

VERSION

...uite simply the best Football management game for your computer. ...e have served thousands of satisfied customers during our 4 years of ...ading. Over 10,000 man hours (during 5 years) has been dedicated to ...e production of this constantly improving game. It is one of the most ...alistic and accurate representations of a professional football managers ...nnual challenge to tactically out wit and conquer every opponent.

...anagers : 1 to 4 Human players, Ratings, Performance statistics, sack ...nd offers. 3 Difficulty levels, Manager of the month and season ...warded, Pools, Pick any team in any division to begin with.

...eague & Cup : Premier 22 teams, Division 1,2 & 3 have 24 teams, ...ay-offs, Tables. 7 Cup competitions with precise rules (2 legs, extra ...me, away goal rule, seeded draws, European Cup tables, 5 subs, ...on-domestic player restrictions etc.), Finalist route to glory.

...ames : Yearly fixture/previous list, Week fixtures/results, Results from ...revious meeting with opponent (goes back up to 6 seasons).

Players : Real life statistics reflecting the start of 93/94 season with real positions, height, age. Live transfer market, Contract & wage negotiations, Preferred foot (left/right/both), Loans, Injuries, Training, Special talents, Trainees, Goalkeepers (separate skill categories), Defenders, Midfielders, Attackers & Utility, Retirements, Foreign transfers, Unhappy players, Top 10 Hot shots.

Team : Training, Tactics (15 different styles), Aggression, Formation allows specific player field settings (Left winger, Sweeper etc.).

Club : Sponsorship, Ground improvements, View opponent, Finances

The Match : Real time scoreboard reporting goals & injuries yellow/red cards, Sound effects, Interventions permitted at any time to change tactics, formations and make subs. Physical graphical penalty participation (optional). Over 80 different referees.

Other : Fast load/save, Printer access, 20 Options to set various game preferences, Instruction book, Easy to play, Technical support.

Plus : Over 100 other meticulous refinements impossible to list here.

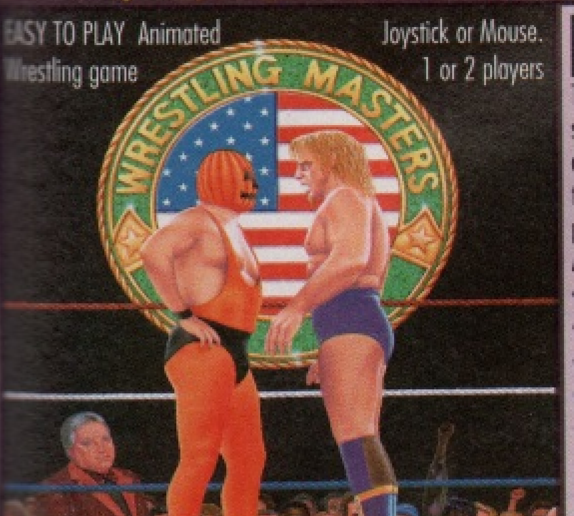
Editor : Allows you to amend various items in saved games. £12 Extra

Scottish : Dedicated version details available upon request.



EASY TO PLAY Animated Wrestling game

Joystick or Mouse. 1 or 2 players



CRICKET MASTERS

This is a purely managerial cricket manager game that concentrates on strategy and includes plenty of relevant statistics. The game has been designed and developed by a true fan of the sport. It replicates everything that a real manager has to contend with and it's a totally unique production that anyone with an interest in Cricket should experience.

A summary of the main features is shown below:-

- AXA EQUITY & LAW 18 league county teams, 50 overs per game.
- 4 Cup competitions including Benson & Hedges, Nat West.*
- 20 different match umpires with accurate names and strictness.
- Accurate player details Surname, height and age.
- 27 different player attributes. Most skills have a direct impact on the effectiveness of each individuals actions during a simulated match.
- Easy player selection. All game text is clearly presented.
- Batting and bowling averages. Top batting and bowling tables.
- 3 Different training intensities to boost batting, bowling or fielding.
- Weather, pitch and light often make an impact on ground condition.
- Full match highlights let you watch the action ball by ball with full graphics and/or realistic sampled sound effects for significant events (Fours, Umpire decisions, etc.). Interventions are permitted at any time to change batting tactics or fielding placings.



- 3 Batting/Bowling classifications (Normal, Attack and Defend).
- Choice of 15 different field placings.
- Full scorecard results with best batting and bowling figures.
- Other staff (Physio, Groundkeeper, Scout) can be hired and fired.
- Annual league fixtures listing. Current week and last league results.
- View current cup competition draws and historic records.
- Real time transfer market. Player contract and wage negotiations.
- Sponsors, Printer access, Finances, Poor ground fines, Manager rating.
- 15 Options to alter game preferences, Load/Save game.
- Instruction book with plenty of examples.
- Plus many more fine details that we are unable to list here.

STABLE MASTERS V2

This game has been designed to be as close to real racing as possible. Five years of development by a clever racing expert has led to the second revision of this Flat Horse Racing Simulation.

Up to 4 players can participate as Owner Trainers with the primary objective of becoming the top rated trainer, in respect of prize money won, at the end of each racing season (March to November). There are up to 35 other intelligently controlled computer trainers to compete against and compare your personal performance.

To achieve this aim you must discover a potential champion and train them so that they become capable of competing well and winning any of the 47 big prize money races (Handicap and Group). eg. The Derby

To give you an idea of the tools provided in this game to assist you reaching your objective we have listed the main features below:-

- 250 horses each with over 60 independent variables.
- 26 different race courses (2 all weather), real life characteristics mirroring the diversity of racecourses in the UK (descriptions provided).



- 20 Jockeys who vary in ability and booking fees, Orders & Feedback.
- Formbook and Win Summary Cards cover the previous 200 races.
- Animated race display or just the result. View Declaration List for races.
- Very informative report by Head stable lad. Tipsters. Bookmakers.
- Racecards similar to racing press. Real life. Handicaps & Race Types.
- Viruses, Injuries & Vets. Load/Save game. Many other items included.

Version 1 is available upon request (Simple training & betting) @ £15.

ORACLE

You could have won £44,836 with this HORSE TIPSTER Utility.

Open National Tipping Competition 1991 : Organised by Racecall, regulated by the Tote, this program achieved joint second. This led to a serious approach from a well known national book maker. Rejected in favour of supporting the public.

Winnings Statistics : 104 wins out of 166, as from 2/6 to 1/9/93.

Formula : This program tells you exactly what to do. You are NOT permitted to amend our system unlike so many other similar programs. How confident can you be in something that invites amendments!

Research & Development : Three years full time race analysis and experimentation to refine and test the prediction system.

Inside Knowledge : Plenty of unique hints from contacts in the know.

User Friendly : No racing knowledge required, easy to use, tutorial book.

Restricted Sales : As soon as our programs predictions have a prolific impact on the betting odds we will stop accepting new buyers.

Monthly Updates : Highly recommended option. If any update fails to break even we'll send the next one free of charge. From £25.

Price Increase : Highly likely. Buy now before success forces increase.

World Cup Cricket Masters

A fantastic graphical and/or tactical representation of Cricket that has been completely written by a traditional fan. You can physically participate with batting and/or bowling or leave it to the computer to automatically handle. See full feature list below :-



GAME OPTIONS

- 1 Day limited overs or test.
- White or coloured clothing.
- Three Cricket grounds.
- Load/Save game. Skill levels.
- Computer/Human players.

ANIMATED ACTION

- Sound Commentary.
- Umpire signals.
- All the strokes cut, pull, drive, etc.
- Appeals, dropped catches, run outs.
- Bouncers, wides and no balls.

STATISTICS

- Scorecard & bowling analysis.
- Weather and ground reports
- Wagon Wheel
- Manhattan Chart.

PLAYER VARIETY

- Rated on 8 adjustable factors.
- Left and right handed players.
- Range of batting types.
- Editor to amend game stats.
- Bowler types include seam, swing, change and both types of spin with 8 speed levels.

FRIENDLY CONTROLS

- Icon driven with point & click.
- Large 3D scrolling screen covering the entire playing area.
- Mouse controls bowler's line, length, direction field settings.
- Joystick control of batsman's attack level, strokes and running between wickets.

VARIABLE CONDITIONS

- Surface and pace of pitch
- Rain, bad light, cloud cover, temperature and humidity.

24 HOUR CREDIT CARD HOT-LINE (0702) 600557

VISA MasterCard

48 HOUR DISPATCH

CHEQUE PAYMENTS

If you have a guarantee cheque card or credit card please write its number on the reverse of your cheque, doing so will ensure dispatch within 48 hours of receipt.

OUR ADDRESS

ESP Software DEPT. A G

32a Southchurch Road,
Southend-on-Sea,
Essex SS1 2ND. England.
TEL. (0702) 600557
FAX. (0702) 613747

MAIL ORDERS

All the programs detailed in this advert are only available by direct mail.

COMPUTER: ST 512K S/S	ST 512K D/S	ST 1MB	AMIGA 1MB	P.C.	DESCRIPTION A G	PRICE	TOTAL
					Professional Football Masters V4	24.95	
					P.F.M. Editor V4	12.00	
					Stable Masters V2	24.95	
					Oracle Horse Tipster (RRP £99.95)	75.00	
					Cricket Masters	24.95	
					World Cup Cricket Masters	24.95	
					Wrestling Masters	19.95	
						GRAND TOTAL	

CREDIT CARD NUMBER & EXPIRY E.& O. E.

NAME ____________ TELEPHONE ____________

ADDRESS ____________

POSTCODE ____________

Mark Patterson discovers that Orks do not, in fact, come from the Orkney islands... and dies horribly in the process.

DARKMERE

When I first saw *Darkmere*, I didn't think it was anything more than a colourful version of the old Spectrum classic *Knightlore* from Ultimate. But after a few minutes I started to realise that there was actually far more depth to it. As well as plenty of wandering around batting orcs and other typical fantasy demons, there's also a good deal of puzzle solving.

The begger wants a coin, and there are plenty lying around, so it's hardly a puzzle, is it?

KEEP TOLKIEN

It looks as though the programmers might have taken some of their inspiration from JRR Tolkein books; your sword glows near orcs, for instance, which is exactly what Bilbo's sword, Sting, did in the Hobbit. Thankfully though, the plot definitely isn't straight out of *Lord Of The Rings*. Yes, the forces of evil are running riot. Yes, there are elves and, yes, you're looking for a magician to help you overcome them. However, when you begin the game you don't have any idea as to where you should be going and what you need to take with you.

OBJECTS EVERYWHERE

Darkmere promises lots but unfortunately doesn't deliver. Its biggest failing is its utterly linear puzzle system. Once you've found the right locations it's usually just a case of transporting an object between them or performing a specific task. There's very little challenge there. Still, when combined with the combat sequences and sheer number of locations to explore there's more than enough game in there to pose quite a challenge, even if it's not terribly exciting.

What does make *Darkmere* difficult is the awkward command interface. This interface is a series of menus which doesn't look very threatening until you try and get to grips with them. For instance, you call up the examine menu, which can feature as many as 15 objects at a time. There's no way of telling which ones are important, so you just have to check through them individually, which is time consuming and very dull. Slowing the game down even further is the amount of disk-access time. When a location is being loaded it not only has to retrieve the graphics but also the character information.

Admittedly, the end result is a more involving game, but I'd have been able to suffer a few static characters if it meant less loading.

As they are, the characters don't have much to say. Depending on who you're talking to there are a number of topics you can inquire about. Most of the time you just get blank looks, or the same answers from the last half-dozen characters. But the only way to find things out is by asking everyone about everything, which seems to be the same principle that the objects are based on.

I also had a problem with the combat controls. To fight you have to hold down the fire button then



Food can be found almost everywhere in town. Eating replenishes your energy bar so keep on chomping.



The actual controls for moving around the game (as opposed to fighting) are responsive, which is handy as you need to position yourself accurately to pick up objects.

ORC AYE THE NOO

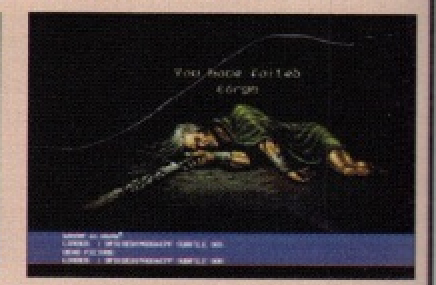
Orcs are the most numerous of your enemies. On their own they're not very dangerous but if you encounter a couple in a row they soon sap your energy.



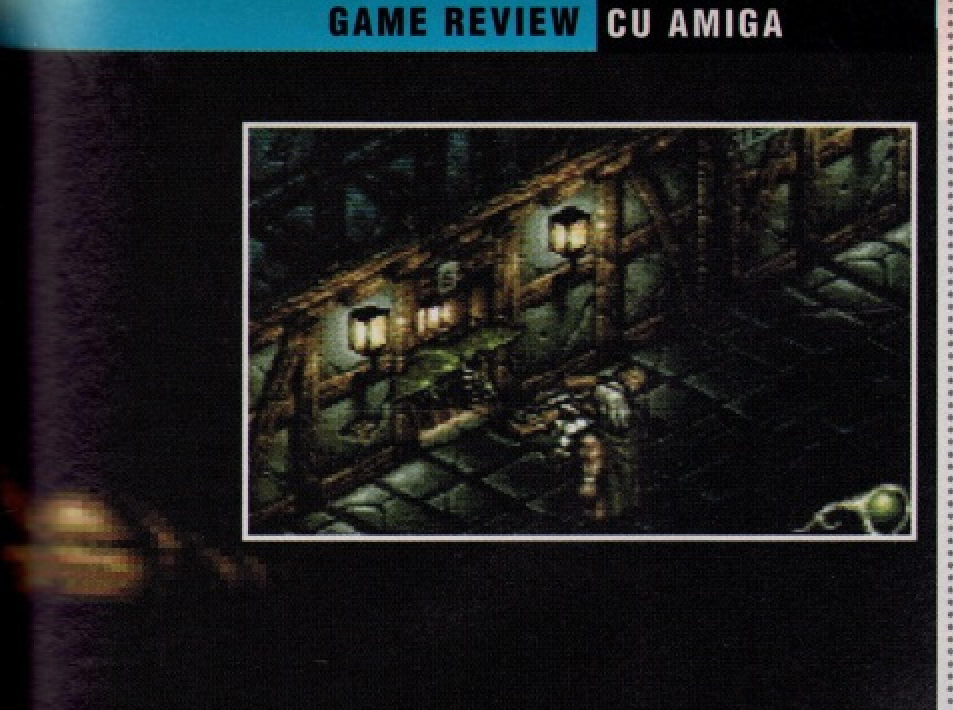
The first indication that trouble is on its way is your sword, which absolutely hates anything evil and glows to warn you that something's coming.



In combat mode you're limited to two different attacks and one block. This is usually adequate, unless you get over-zealous and end up attacking when you should be defending...



...as you did here (tut, tut). You can take plenty of damage, but if you don't watch out you could end up getting caught short in combat *(cut short, surely – Ed)*.





The tavern is a good place to pick up information, as long as you can find people who want to talk to you.

move it in a given direction to slash or block. So far so good. What tends to happen though is that the creature you're up against will start hitting you before you get into position. All right, so all's fair in love and war, but it's very hard getting yourself in a suitable position to fight back. You end up walking in circles while a flaming orc hacks chunks out of your torso.

IMPRESSIVE GRAPHICS

The one outstanding feature of *Darkmere*, and the main reason I persevered with it, is the graphics. They rate as some of the best I've seen on an Amiga adventure. Even on the A500 they're drawn in 32-colour mode and the detail and animation is just superb. In fact, it would seems as though that's where most of the effort has been concentrated. A map feature, for example, would have been very useful, because you're often directed to different streets without having a clue where they actually are.

Invariably this leads to lots of wandering around, rucks with orcs and frustrated banging on the joystick as you realise you've been going around in circles for 10 minutes. There are many better adventures out there, although I can't think of one quite as nice looking. I hope Core persevere with *Darkmere*'s engine and I'd certainly like to see the follow-up; as long as they sort out the problems. As it stands, *Darkmere* is an above average adventure, dogged by unwieldy combat and detail. CU

CORE DESIGN £29.99

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

CORE DESIGN, TRADEWINDS HOUSE, 69/71 ASHBOURNE ROAD, DERBY, DE22 3FS. TEL: 0322 297797

RELEASE DATE:	APRIL
GENRE:	ARCADE/ ADVENTURE
TEAM:	IN HOUSE
CONTROLS:	JOYSTICK
NUMBER OF DISKS:	5
NUMBER OF PLAYERS:	1
HARD DISK INSTALLABLE:	YES
MEMORY:	1Mb

GRAPHICS	95%
SOUND	89%
LASTABILITY	84%
PLAYABILITY	78%

'*Above average adventure – could have been better.*'

OVERALL 79%



Gremlin Graphics want to give his video recorder, complete with remote control and long play facility, to you. If you've any sense you'll enter this competition pronto.

PREMIER COMPETITION!

Okay, so what's a ***Premier Manager 2*** compo doing on the pages of this esteemed tome some seven months after we originally reviewed the game? Put quite simply, it's a cunning marketing ploy on behalf of ***Gremlin Graphics*** to raise coverage of their top footy game during the build-up to the World Cup. Don't get me wrong though, a marketing ploy it may be, but it's definitely not a cheap one. Oh no.

Premier Manager 2 is, without doubt, the best soccer manager sim available on the Amiga and if one or two real life managers took a crash course in guiding their teams to the top in ***Premier Manager's*** championships then they might have ended up going to the USA. But don't worry, whether you're a top international manager (retired), or an ordinary Joe soap footy fanatic you won't have to stay up all night watching the real games live in the USA because ***Gremlin*** want to give you a video recorder. That way you can continue playing ***Premier Manager 2*** into the small hours of the morning instead of watching telly.

But, as they say in those multi-purpose kitchen utensil advertisements, that's not all. When you win the video recorder you'll also get the team of your choice on video, to enjoy now, and save for posterity and future generations. So when you're sending in your entry, make sure to tell us what your favourite soccer team is, too. Runners up prizes include five copies of ***Premier Manager 2*** and five ***Gremlin*** t-shirts.

This screen might look boring to the uninitiated, but it'll warm the hearts of would be football managers the world over. Bless them.

To enter the draw for a *Matsui* video recorder and the team video of your choice, or one of the runners up prizes of *PM2* or a t-shirt, just answer the following questions:

1. Who has recently been made England Manager?
2. In *Premier Manager 2*, what league do you start in?
3. *Gremlin Graphics* is based in Sheffield. Which two Premier League teams come from Sheffield?

RULES

1. This competition is not, under any circumstances, open to employees of either Emap Images or Gremlin Graphics.
2. The Editor's decision is final and no correspondence will be entered into.
3. The closing date for entries is 29 April 1994.
4. All answers on the back of a sealed envelope or postcard please, and, contrary to popular belief, ridiculous postcards or ones displaying semi naked 'beach bunnies' will not improve your chances of winning.



THE CENTRE OF TEC

WTS ELECTRONICS LTD, CHAUL END LANE, LUTO



Amiga 1200 Packs

- 32-bit 68020 Full power
- On site warranty
- Two Python joysticks
- Free Paint package software
- Mouse mat

A1200 Standalone	£274
A1200 with 20 MB	£354
A1200 with 40MB	£399
A1200 with 60MB	£424
A1200 with 80MB	£439
A1200 with 120MB	£509
A1200 with 200MB	£549



Amiga 4000 Packs

- AGA Chip Set
- 68030/40 processor
- Co-pro option
- 2MB/4MB RAM

A4000 030 with 80MB HD & 2MB	£899
A4000 030 with 80MB HD & 4MB	£999
A4000 030 with 120MB HD & 4MB	£1069
A4000 040 with 120MB HD & 6MB	£1999

A1200 Dynamite Pack

Simply add to pack price	£45
CD32	£284

A1200/A600 Hard Drives



- Easy to install upgrade kits
- Full instructions and cables where necessary
- All drives supplied with formatting instructions and software
- Free fitting available - phone for details

20MB HD Upgrade Kit	£85
40MB HD Upgrade Kit	£135
60MB HD Upgrade Kit	£154
80MB HD Upgrade Kit	£169
120MB HD Upgrade Kit	£199
200MB HD Upgrade Kit	£329

A1200/A600 Memory Upgrades

A1200 PC 1204 4MB + clock (Co-pro option)	£198
ProRam 2MB PCM-CIA A600/A1200	£118
ProRam 4MB PCM-CIA A600/A1200	£172
ProRam 1MB A600	£34
A1200 Real Time Clock	£17

Amiga 500 Hard Drives



High Quality GVP Hard Drives

	A500	A1500
120MB	£389	£342
500MB	£889	£842
1GB	£1089	£1042

Internal Hard Drives for A500

- Easy to install - Full instructions
- ICD technology

Pro Internal 20MB hard drive	£155
Pro Internal 40MB hard drive	£245
Pro Internal 80MB hard drive	£295
Pro Internal 120MB hard drive	£325
Pro Internal 200MB hard drive	£405

Monitors



- Philips 8833 MKII Monitor **£189**
- Commodore 1084s **£174**
- When purchasing with an Amiga deduct **£10** from above pricing
- Dust cover for the above **£5**

SVGA /Multisync Monitors



- 14"/20" Super high resolution colour display
- Professional IBM compatibility
- Complete with cable
- Full UK warranty
- Tilt & swivel stand

A1200 SVGA Monitor (Displays high productivity modes)	£228
A1200 SVGA + Monitor (Medium resolution, displays all modes high and low)	£269
A1200 SVGA + Monitor (High resolution, displays all modes)	£364
A1200 SVGA plus 20" Monitor (Displays all modes ideal for DTP, CAD etc)	£1044

Workstations



- Ergonomically sound
- Facilitates up to three external floppy drives
- Made in the UK
- Strong and robust
- Aesthetically pleasing
- Keep your desk neat and tidy
- Supplied complete and assembled with free mouse mat

A500 Workstation	£36
A600 Workstation	£36
A1200 Workstation	£36
Workstation Coverall dust covers	£5

Peripherals



100 Capacity lockable disk box	£5.99
Squick mouse	£13.99
Mouse mat	£1.99
TDK high quality DSD (10) disks	£9.99
Computer Mall DSD (10) disks	£6
Jet Fighter joystick	£13.99
Apache joystick	£6.99
Python joystick	£9.99
Zipstick joystick	£14.99
Screen Beat speakers	£29
Zi-Fy speakers	£36
A500/A600/A1200 Dust covers	£4.99
A500 Modulator	£36
Rendale 8802 FMC Genlock	£169
Supra 2400 Modem	£89
Supra Fax Plus Modem	£148
Supra v.32 BIS Fax Modem	£358

Scanners

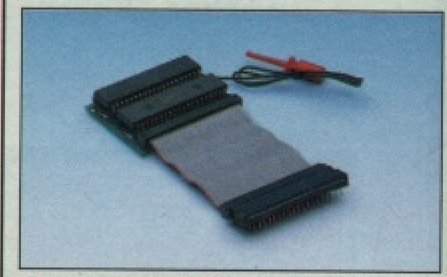


- Allows image processing in a useful and unique fashion
- Comes complete with operation manual
- One of the fastest growing applications for home and professional users
- High specification coupled with cost effective pricing

Power Hand Scanner
- 64 greyscales 100-400 DPI
- Thru'port to printer
- Fully compatible with Delux Paint 4, etc.
- Advanced software

Power Hand Scanner v3.0	£96
Power Hand Scanner Colour	£229

Pro ROM Swapper



- Swap between Kickstart chips
- Fits A500, A500+, A600,A1500
- Auto swapping via keyboard control
- Flexible cable allows the swapper to work in conjunction with accellerators etc.
- Simple to fit - full instructions

Pro ROM Swapper	£18
Pro ROM Swapper + 1.3ROM	£37
Pro ROM Swapper + 2.04ROM	£40
Workbench 2.04 plus manuals	£49

easonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal S



THE CENTRE OF TEC

WTS ELECTRONICS LTD, CHAUL END LANE, LUTO



Amiga 1200 Packs

- 32-bit 68020 Full power
- On site warranty
- Two Python joysticks
- Free Paint package software
- Mouse mat

A1200 Standalone	£274
A1200 with 20 MB	£354
A1200 with 40MB	£399
A1200 with 60MB	£424
A1200 with 80MB	£439
A1200 with 120MB	£509
A1200 with 200MB	£549



Amiga 4000 Packs

- AGA Chip Set
- 68030/40 processor
- Co-pro option
- 2MB/4MB RAM

A4000 030 with 80MB HD & 2MB	£899
A4000 030 with 80MB HD & 4MB	£999
A4000 030 with 120MB HD & 4MB	£1069
A4000 040 with 120MB HD & 6MB	£1999

A1200 Dynamite Pack

Simply add to pack price	£45
CD32	£284

A1200/A600 Hard Drives



- Easy to install upgrade kits
- Full instructions and cables where necessary
- All drives supplied with formatting instructions and software
- Free fitting available - phone for details

20MB HD Upgrade Kit	£85
40MB HD Upgrade Kit	£135
60MB HD Upgrade Kit	£154
80MB HD Upgrade Kit	£169
120MB HD Upgrade Kit	£199
200MB HD Upgrade Kit	£329

A1200/A600 Memory Upgrades

A1200 PC 1204 4MB + clock (Co-pro option)	£198
ProRam 2MB PCM-CIA A600/A1200	£118
ProRam 4MB PCM-CIA A600/A1200	£172
ProRam 1MB A600	£34
A1200 Real Time Clock	£17

Amiga 500 Hard Drives

High Quality GVP Hard Drives

	A500	A1500
120MB	£389	£342
500MB	£889	£842
1GB	£1089	£1042

Internal Hard Drives for A500

- Easy to install - Full instructions
- ICD technology

Pro Internal 20MB hard drive	£155
Pro Internal 40MB hard drive	£245
Pro Internal 80MB hard drive	£295
Pro Internal 120MB hard drive	£325
Pro Internal 200MB hard drive	£405

Monitors



- Philips 8833 MKII Monitor **£189**
- Commodore 1084s **£174**
- When purchasing with an Amiga deduct **£10** from above pricing
- Dust cover for the above **£5**

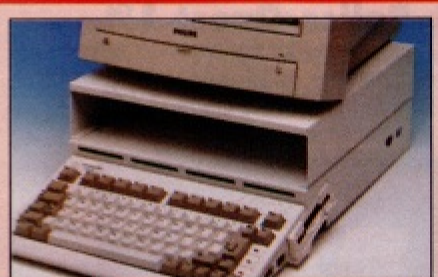
SVGA /Multisync Monitors



- 14"/20" Super high resolution colour display
- Professional IBM compatibility
- Complete with cable
- Full UK warranty
- Tilt & swivel stand

A1200 SVGA Monitor (Displays high productivity modes)	£228
A1200 SVGA + Monitor (Medium resolution, displays all modes high and low)	£269
A1200 SVGA + Monitor (High resolution, displays all modes)	£364
A1200 SVGA plus 20" Monitor (Displays all modes ideal for DTP, CAD etc)	£1044

Workstations



- Ergonomically sound
- Facilitates up to three external floppy drives
- Made in the UK
- Strong and robust
- Aesthetically pleasing
- Keep your desk neat and tidy
- Supplied complete and assembled with free mouse mat

A500 Workstation	£36
A600 Workstation	£36
A1200 Workstation	£36
Workstation Coverall dust covers	£5

Peripherals



100 Capacity lockable disk box	£5.99
Squick mouse	£13.99
Mouse mat	£1.99
TDK high quality DSD (10) disks	£9.99
Computer Mall DSD (10) disks	£6
Jet Fighter joystick	£13.99
Apache joystick	£6.99
Python joystick	£9.99
Zipstick joystick	£14.99
Screen Beat speakers	£29
Zi-Fy speakers	£36
A500/A600/A1200 Dust covers	£4.99
A500 Modulator	£36
Rendale 8802 FMC Genlock	£169
Supra 2400 Modem	£89
Supra Fax Plus Modem	£148
Supra v.32 BIS Fax Modem	£358

Scanners



- Allows image processing in a useful and unique fashion
- Comes complete with operation manual
- One of the fastest growing applications for home and professional users
- High specification coupled with cost effective pricing

Power Hand Scanner

- 64 greyscales 100-400 DPI
- Thru'port to printer
- Fully compatible with Delux Paint 4, etc.
- Advanced software

Power Hand Scanner v3.0	£96
Power Hand Scanner Colour	£229

Pro ROM Swapper



- Swap between Kickstart chips
- Fits A500, A500+, A600,A1500
- Auto swapping via keyboard co
- Flexible cable allows the swapper
- work in conjunction with accellerators etc.
- Simple to fit - full instructions

Pro ROM Swapper	£1
Pro ROM Swapper + 1.3ROM	£37
Pro ROM Swapper + 2.04ROM	£40
Workbench 2.04 plus manuals	£4

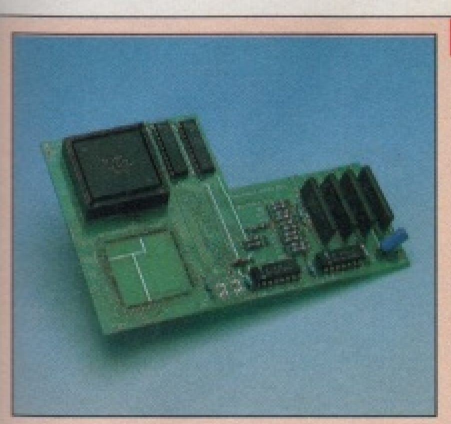
CHNICAL EXCELLENCE

Est. since 1984



TON, BEDS, LU4 8EZ TEL (0582) 491949 (6 LINES)

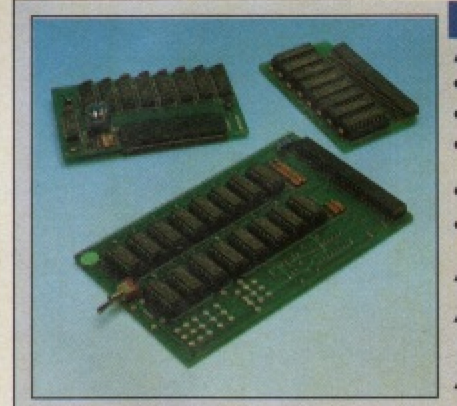




Pro Agnus 2MB

• Provides a full 2MB of Chip Memory for the Amiga 500 and A1500/2000 • Designed and built in England • Supplied with 8375 Obese Agnus • Includes 2Mb Memory on board in the form of low power Zips • Allows the processing of elaborate animation and sound sampling • Provides the same max. chipmemory as the A3000/A600 &500+ • Increases addressable memory space from 9MB to 10MB • Complete with full instructions and flying leads • British made

• Pro Agnus 2MB **£139**
(Free fitting available - Phone for details)



A500 Memory Expansions

A500 Pro-RAM 0.5 Meg. Upgrade
• Allows 1MB software to run
• Chip memory compatible
• British made

• Without clock **£16**
• With clock **£19**

A601 for A600 £36

A500 Pro-RAM 1.5 Meg Upgrade
• Gives a full 2Mb of memory £74

A500+ 1Mb Meg Upgrade £29.95

High Current Power Supply



• Allows the addition of peripherals without damage to computer or power supply
• Why risk damaging your expensive kit when one simple investment will ensure total peace of mind now and for the future
• Switch mode design
• Full crow bar projection
• British made

• A600 Power supply unit **£44.95**
• A500 Power supply unit **£44.95**
• A590 Power supply unit **£44.95**
• A1200 Power supply unit **£54.95**
• A2000 Power supply unit **£99.95**

Cumana 3.5" External Drive



• High Quality
• Renowned and proven reliability
• Top notch specification
• Anti-click
• Long moulded cable
• Slimline design
• High impact plastic

• Cumana external drive £57
• Cumana external drive + 100 capacity disk box £60
• Cumana external drive + 100 disk box + 20 blank disks £66
• A500/A500+ Internal replacement disk drive £46

Printers



• High quality premium range of Amiga printers
• Two year manufacturers warranty.
• Complete with cable to Amiga 500
• Citizen registered for Dealer plus service

• Swift 1200+ **£129**
(9 pin, 80 column, 144 CPS draft, 30 NLQ, 4KDB Buffer)
• Swift 90 Colour **£168**
(9 pin, 80 column, 216 CPS draft, 54 LQ, 45dB quiet mode)
• Swift 200 **£186**
(24 pin, 80 column, 216 CPS draft, 72 LQ, 43dB quiet mode)
• Swift 240 Colour **£259**
(24 pin, 80 column, 240 CPS draft, 80 LQ, 43dB quiet mode)
• Swift Pro Jet **£299**
(80 column, 50 nozzle print, 360 CPS draft, 120 LQ, HP emulation 8KB buffer, 3 fonts, vertual lazer quality)

Chips and Spares



• WTS have sole distribution rights from Americas biggest Commodore chip distributor

▪ Workbench 2.04 Kit £78
(includes manuals, disks & chip)
▪ Kickstart 2.04 £24
▪ Kickstart 1.3 £29
▪ Kickstart ROM Swapper £18
(Swap between Kickstarts)
▪ Fatter Agnus 8372 £29
▪ Obese Agnus 8375 £39
▪ High Res Denise £24
▪ 1MB x 9 Simms (3 chip) £29
▪ 1MB x 4 Zips £14
▪ 8520 CIA £9

SALES HOTLINE 0582 491949 (6 LINES), 0480 471117 (24HR), FAX ON 0582 505900



Credit Card ordering by phone is easy. Simply phone our sales hotline quoting your credit card number., expiry date, name and address and the products you wish to order and we'll do the rest. Alternatively write the above details on your letter when ordering by post.



When ordering by post in cheque form please write your cheque card guarantee number on the reverse of the cheque and send along with your order. Postal Orders are also accepted.



NO DELIVERY CHARGES TO UK MAINLAND. MINIMUM ORDER AMOUNT £15.00.
Should you wish your order to be sent by courier service please add £5. This method includes Comprehensive insurance.



WARRANTY: One year return to base (excluding chips).
ONE YEAR EXTENDED WARRANTY: Available on all products (excluding chips) at 10% of purchase price when ordering.

WHERE TO FIND US!

Head Office	Computer Mall Bedford	Computer Mall St. Neots	Computer Mall Hertford	Computer Mall Dunstable
WTS Electronic Ltd Chaul End Lane Luton 0582 491949	No.16 Downstairs The Harpur Centre Bedford 0234 218228	No.6 Priory Mall Shopping Centre St. Neots 0480 471117	49 Railway St. Hertford 0992 503606	84 High Street North Dunstable Bedfordshire 0582 475747

All prices quoted or products stocked are subject to stocking levels and availability. WTS cannot be held liable or supply reimbursement for force majeure, or items, which are out of stock due to demand or low stock at its suppliers which may result in delayed delivery or non delivery, payment with order, please allow 28 days for delivery. WTS reserve the right to ammend prices, revise packs, specifications and or substitute product wihtout prior notice at any time without liability upon itself. E & OE

Beneath the swampling's house lies the fantasy island where the frogsbane plant grows. Take the plant to the old druid and he'll reward you with a much needed potion.

SIMON THE SORCERER *SOLUTION*

PART 2

Andy Mitchell is back with the final instalment of *Simon the Sorcerer*.

Skip merrily to the entrance of the diamond cave, then take the path around the side to where you'll find a locked door. This is the entrance to the nasty Goblin's Cave, but unfortunately it's locked. Never mind, if you look under a nearby stone you'll find a shopping list. Return to the village and hand over the Goblin's shopping list, then search the shelves until you find a hammer and a bottle of white spirit. Don't drink the white spirit, it hasn't been chilled and you know how horrible warm, white spirit is. While you are patiently waiting for the shopkeeper to get the Goblin's shopping ready you might as well get on with some other good deed, so head for the icy mountains.

Go past the frozen barbarian and find the chilled wizard. In the centre of this screen you should whip out your metal detector and give it a whirl. Within moments you'll get the signal that you are standing on a piece of mithril ore, but without a spade to dig it up you've still got problems. Not to worry, back in the forest there is a fossil-hunter with a spade who might come and dig if we persuade him that there are some fossils around here. Go further up the mountain and here you'll find the sleeping giant. At this point you may either chuck a bucket of cold water from the witch's well over him, or give a blast on the sousaphone. Either method will make the giant twitch and knock over the tree with his arm. Using the fallen tree you can now cross the gorge. Keep a sharp eye on the ground and you'll find yet another rock which can be picked up. Examine this stone and you'll see traces of a fossil hidden in its depths.

The entrance to the dragon's cave is next on our itinerary, so gather your courage and creep inside. Use the cough medicine on the dragon, then the fire extinguisher can be grabbed. Take it and leave. Outside you can use the hook on the boulder at the top of the cave entrance. Climbing up the rope, (using 'Walk to Boulder') will bring you to a hole which is directly above the dragon's hoard of gold. Fix the magnet to the rope, then use this as a fishing rod to steal the gold from below. (Yes, I know that gold isn't magnetic, but the gold doesn't seem to know that, so don't say anything.) Do this twice to get lots of gold.



The fabled staff is to be found in the grip of a frightening mummy. A quick tug on his, ahem, loose bandage will reduce all of your problems to a pile of dust.

A little further up the trail you'll come to a row of climbing pegs. Typically, some rotter has stolen one of the pegs, blocking your route up the rock face. However you can jump from ledge to ledge to get to the other side of this screen, and here you'll find a talking tree. You may think that a talking tree is a simply wonderful thing, but this one isn't very smart. One thing it does know, however, is the magic word which will help you defeat the wicked witch, and will tell you what it is if you use the white spirit to remove the mark on its trunk.

Back to the village and slip the fossil stone under the blacksmith's hammer to reveal the fossil. Rush to the paleontologist and use the stone to move his digging activities into the mountains.

By this time there will be a box outside the village shop, so open it and hide inside. In the twinkling of an eye you'll end up locked inside the Goblin's storeroom. Search the boxes and you'll find the spellbook, inside which you'll find a loose piece of paper. On the floor you'll find a rat bone. Slip the paper under the locked door, then use the bone to push the key out of the other side of the lock and onto the paper. By retrieving the paper you'll get the key. Unlock the door, and with the power of the ring to make you invisible, pick up the bucket and walk down the stairs. Remove the ring and talk to the Druid. Pick up the mints and the firebrand – to enable the Druid to escape you'll need to use the bucket with the Druid, and then use the firebrand with the Druid.

Finally, hide inside the iron maiden to escape from the evil


There are nasty goblins upstairs, and a crazy druid downstairs. Where's a wizard to turn for help to in the tricky dungeon?

Goblins. The Druid will return and give you a hacksaw which will enable you to escape. Now it's time to return to the icy wastes and find the mithril that's lying amidst the rubble which our fossil-fiend has dug up. Take this to the blacksmith and have it bashed into an axehead which can be given to the woodcutter. As the woodcutter didn't think to give you a reward I think it's only fair that we reward ourselves, so enter the house and pick up the climbing pin from the table. Use the fire extinguisher on his fire and then move the hook in the fireplace and voila – a secret elevator. From the store below, you can select the woodworm's favourite snack and take this to the stump in the forest. Now return to the repulser tower and use the woodworm on the floorboards.

With the aid of the ladder you can get down to the Tomb of the Mummy. From the moment you open the Mummy's coffin you have only a split second to find the loose piece of bandage and move it. Your nasty foe will disappear in a crumbling heap, allowing you to grab the magical staff. Take the staff to the wizards in the tavern who will, for a small fee, raise you to wizard status and give you a wizard's starter pack.

The Druid has returned home, but unfortunately he is still a frog. Resist the temptation to kiss him, but instead go to the jetty beneath the swampling's house and repair the loose board with the hammer and nail. The frogsbane you seek is on top of the Skull. Armed with the flowers you may now return to the Druid and be rewarded with a shrinking potion.

Now we come to the scary bit. Head for the witch's cottage and then save the game. Armed with the magic word, enter the cottage. The witch will return and challenge you to a duel. It may take you a little while to figure out how to play her game of magical 'Scissors and Stone', but eventually you will use the word to turn yourself into a mouse and escape with the broomstick via the mouse-hole.

It's time to leave the village and head once more into the mountains. Using the climbing pin you will climb to new heights and here you must eat the peppermints to deal with the evil snowman. The witch's broom will fly you across the gap to the door of the dark castle, and the Druid's potion will cut you down to a size which lets you crawl under the door.

From the garden you can pick up a leaf, a stone, and a matchstick from inside the bucket. Pick up the lily pad, then use the leaf and the matchstick on the lily pad to make a boat. Select the 'walk to' command to move the boat across the water and pick up some seeds. These seeds may now be used on the stone to produce an oil which is ideal for lubricating the rusty tap. Finally, use the hair of the dog to open the tap. At the other side of the pond there is a tadpole in the water which can be used to threaten that nasty frog who bars your way. Once that little problem has 'hopped it' you can pick and eat the magical mushrooms. They must be the ones which our old friend Alice dropped, because when you eat them you return to your old self.


With the demons safely out of the way, your path is now clear to pop inside the teleporter and zap yourself off to the Fiery Pits.


There can be few things more dangerous than a dragon with a cough. Before you try and grab the fire-extinguisher, make sure you have something to soothe the dragon's throat or you'll be fried to a crisp.


The evil wizard perishes beneath the red-hot lava and the kingdom is saved once again. Perhaps now we can all get some sleep at last, and stop driving ourselves crazy with this wacky game!

Before entering the nearby door, pick up the loose branch – you'll need it to defeat the chest inside. Grab a spear and shield and then go downstairs. Use the spear on the skull, pick it up. Collect the locked chest. Move the lever, put the locked chest on the block, move the lever again to crush the chest and pick up the candles.

Climb to the middle level of the tower and pick up the wand, book, pouch and sock. Open the book, use the pouch with the sock. Find the mouse-hole at the edge of the stairs, use the pouch on the hole to catch a mouse. Climb upstairs and use the chemicals on the shield to turn it into a mirror. Use the shield on the hook in the middle of the screen.

It's back downstairs to talk to the mirror and view the lab upstairs. Return to the top level and read the book on the shelf at the rear of the room. Talk to the Demons and perform the magic rite. Finally, use the teleport to transport you to the fiery pits.

On your arrival at the fiery pits you can pick up a pebble, a Y-shaped piece of wood, and collect some brochures from the assistant. Look at the brochures to find the rubber band, which you can use with the wood to make a catapult. Fire the pebble to set off the alarm bell. Grab some matches from the counter and head for the pits.

A quick flash of the magic wand will 'rock' Sordid the wizard and he'll end up quite 'stoney-faced', giving you time to re-light the pit. Throw the wand into the pit then make a dash for the doorway before Sordid is able to return and send a lightning bolt up your trouser leg. Arm yourself with the bucket of slippery floor wax from outside the door and return to face Sordid in the final conflict. Use the floor wax on the wizard and watch him slip into the fiery flames.

Don't think that's the end of the saga. Adventuresoft is beavering away on the next instalment of this great game. Simon will be back! CU


There is only one way to get past this slimy character and that is to get really tough. Threaten his kids and watch him hoppit.



FIRST COMPUTER CENTRE (LEEDS) Tel:0532 319444

OPEN 7 DAYS A WEEK

OPEN MON - SAT..................9.30AM-5.30PM
SUNDAY OPENING...........11.00AM-3.00PM
THURSDAY NIGHT LATE...9.30AM-7.30PM
OPEN HALF DAY MOST BANK HOLIDAYS

TELEPHONE LEEDS

24 HOUR MAIL ORDER SERVICE 6 LINES!

0532 319444

FAX: 0532 319191

♦

SHOWROOM ADDRESS:
DEPT. CU, UNIT 3, ARMLEY PARK COURT, OFF CECIL ST, STANNINGLEY RD, LEEDS, LS12 2AE

HOW TO ORDER

Order by telephone quoting your credit card number. Please make cheques payable to the:

"FIRST COMPUTER CENTRE."

In any correspondence please quote a phone number & post code. Do not forget to include the delivery tariff. Allow 5 working days for cheque clearance.

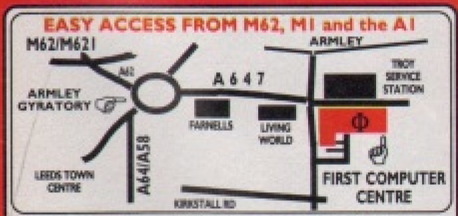
- All prices include VAT
- Finance available, phone for details
- Large showroom with free parking
- Overseas orders taken
- Educational orders welcome

UK MAINLAND DELIVERY TARIFFS

- Standard Delivery..........................£1.25
- Guaranteed 2 to 3 day (week days) Delivery..........................£2.90
- Guaranteed Next Day (week days) Delivery..........................£4.95

AMIGA REPAIR CENTRE

We offer a FREE quotation on your Amiga or any peripheral (monitors, printers etc). A delivery tariff of just £5.00 is charged or alternatively you can visit our showroom. We can also arrange a courier pickup at an additional cost of £11.00.



From the M62 take the M621 and follow the turnoff for Leeds/York. This will merge with the Armley gyratory.

From the M1 follow signs for the M621 (ignore exit for town centre). Take A643 Elland Rd turnoff from M621. Follow signs for A58. This merges with Armley gyratory.

From the A1 take the turnoff for the A64. This merges with the A58 (by-passing Leeds town centre) which meets the Armley gyratory. After "Living World" at traffic lights take a right, left, left again, & 2nd left to get to FCC.

We recommend you confirm prices before placing an order. E&OE.



2% surcharge on AMEX

CD ROM Drives

Internal SCSI CD-ROM drives for the A1500/2000/4000 (with suitable SCSI interface). All drives include driver software & will read both CDTV / CD32 & PC ISO 9600 standard disks. External kits for A3000 also available

NEC Multispin 2XI Internal **£194.99**
- 265Ms Access time
- 355KB transfer rate

TEAC CD-50 Internal **£339.99**
(Amiga 1500/2000 compatible only)
- 320Ms Access time
- 300KB transfer rate

TOSHIBA XM3401 Internal
- 200Ms Access time
- 330KB transfer rate

£321.99

TOSHIBA XM4101
- 385Ms Access time
- 300KB transfer rate

Internal.£219.99 External.£314.99

GVP A4008 SCSI controller..£122.99

The AMIGA A1200

A1200 Standard pack only £259.99
without games software

RACE & CHASE pack only £289.99!
with Nigel Mansell F1 and Trolls!

DESKTOP DYNAMITE pack
with Wordworth 2 AGA, Print Manager, DP4 AGA, Dennis and Oscar
only £339.99

HARD DRIVE VERSIONS

	STD pack	R&C pack	D/D pack
64Mb	£419.99	£439.99	£489.99
85Mb	£479.99	£489.99	£537.99
127Mb	£499.99	£519.99	£564.99
209Mb	£569.99	£589.99	£629.99

THE CHAOS PACK!

- CHAOS ENGINE
- NICK FALDO CHAMPIONSHIP GOLF
- PINBALL FANTASIES
- SYNDICATE

only £29.99 or £19.99 with any AMIGA!

The AMIGA 4000

A4000/030, 80 Mb HD..............£1037.99
A4000/030,130 Mb HD.............£1099.99
A4000/030,250 Mb HD*............£1159.99
A4000/030,340 Mb HD*............£1239.99
A4000/030,420 Mb HD*............£1339.99
A4000/040,130 Mb HD.............£1879.99
A4000/040,250 Mb HD*............£1949.99
A4000/040,340 Mb HD*............£2029.99
A4000/040,420 Mb HD*............£2149.99

Price Rises Imminent on the A4000 range!

All the above examples come with 6 Mb of RAM as Standard
*The hard drive only is not covered by on site warranty

♦

All Amiga's come with Workbench, mouse & 12 month warranty. The A1200 & A4000 come with 12 months on site warranty All 1200's also come with a built in integral hard disk option.

A600 & 1200's 2.5" HD kits

20Mb.......*£89.99
60Mb....*£179.99
120Mb...*£219.99
80Mb....*£194.99
210Mb...*£319.99
*Just Add £10.00 for fitting

3.5" H/drive upgrade kit no HD only £22.99

PRIMA A1200 REAL TIME CLOCK

Date and time stamp your files. Fits directly onto the motherboard with no soldering.

check for compatibility **only £12.99!**

AMIGA CD32 4 Game PACK

based on the 68020, the CD32 features AA chip set, A4 size footprint, 2Mb RAM, 128K flash memory, built in WB & the ability to play normal audio CD's inc Oscar, Wing Commander, Dangerous Street & Digger

only £279.99

Full Motion Video Module

Transforms the standard CD-32 into a powerful multimedia unit **£193.99**

CD32 Software

Fire Force..................£21.99
Lotus Turbo Trilogy..£21.99
Town with no Name.£21.99
7 Gates of Jambala....£21.99
Chambers of Shaolin.£18.99
Laberynth of Time....£20.99
Dangerous Streets....£21.99
Whales Voyage.........£21.99
Nigel Mansell WC.....£21.99
Trivial Pursuit.....£21.99
Liberation..........£24.99
Seek & Destroy...£19.99
Deep Core.........£18.99
Zool...................£21.99
Sensible Soccer.£19.49
Pirates Gold......£21.99
Alfred Chicken.£21.99
Morph...............£21.99

CD Rom Amiga A570

Turns your Amiga 500 into a CDTV. Includes Fred Fish CDPD disk & Sim City **only £98.99!**

PRINTERS

All our printers are UK spec, come with ribbon/toner, printer drivers (if available), paper & cables!!

Canon

Canon BJ10sx...............£187.99
Laser quality output. Large buffer

Canon BJ200...................£241.99
3 page a min speed, 360 dpi, small footprint & 80 page sheetfeeder

Canon BJ230...................£322.99
wide carriage version of above

Canon BJ300...................£419.99
Desktop bubble jet with laser quality

Canon BJ330...................£464.99
Wide carriage version of the BJ300

Canon BJC600 Colour...£538.99
new bubble jet from Canon

BJ10 Autosheetfeeder.....£49.99

CITIZEN COMPUTER PRINTERS

Citizen printers have a 2 year guarantee

New! **ABC Colour printer £162.99**
simple (as easy as ABC) to use 24 pin printer. Comes as standard with 50 sheet Auto sheet feeder.
Tractor feed optional at £27.99
only £139.99 if bought without the colour option

Swift 90 Colour...................£156.99
Excellent value 9 pin colour. Highly recommended

Swift 200 Colour.............£187.99
Same out put as the 240 but with less facilities

Swift 240 Colour.............£219.99
24 pin, 240cps draft, 10 fonts, quiet mode, 240cps.

Projet II.............................£254.99
new inkjet printer with built in auto sheet feeder

Swift Auto Sheet feeder.£79.99

HEWLETT PACKARD

HP 310 Portable.............£223.99
HP510 mono...................£249.99
HP 500 Colour................£324.99
HP 550 Colour................£443.99

4 times faster than the HP500C!!
All HP printers come with a 3 year warranty



Star LC100 colour.........£134.99
9 pin colour, 8 fonts, 180 cps draft, 45 cps NLQ

Star LC200 colour.........£187.99
9 pin colour, 8 fonts, 225 cps draft, 45 cps NLQ, A4 landscape printing.

NEW! **Star LC24-30 Col....£222.99**

NEW! **Star LC24-300 Col..£289.99**
24 pin quality, 210 cps draft, 67 cps LQ, 39K buffer expandible to 48K, 10 fonts and quiet mode.

Star LC24-200 colour...£263.99
Colour version with 30K buffer expandable to 62K

Star SJ48 Bubble jet.......£215.99
Laser quality, ultra quiet, Epson compatible & portable

NEW! **Star SJ144 Colour Thermal**
Stunning affordable colour printer. 3 PPM, low running costs
only £424.99

Star SJ48 Autosheet feeder.£49.99

PRINTER CONSUMABLES

Ribbons

Citizen Swift mono ribbon..............£4.99
Citizen Swift Colour ribbon............£13.99
Star LC10/100 mono.......................£3.69
Star LC200 mono............................£4.99
Star LC10/100 colour......................£7.99
Star LC200 colour...........................£12.99
Star LC24-30 mono.........................£8.99
Star LC24-30/200 Colour.................£11.99
Re-Ink Spray for mono ribbons.........£11.99

COVERS

Star LC10/20 cover..........................£4.99
Citizen Swift/ABC.............................£5.99
HP 500/550/510................................£5.99
Star LC100/200.................................£5.99
Star LC24-300/30.............................£5.99

PAPER

prices apply only when ordered with printer or purchased direct from the showroom

Fanfold (tractor feed)..........500 sheets...£4.99
Fanfold (tractor feed).........1000 sheets...£8.99
Fanfold (tractor feed).........2000 sheets.£17.99
Single sheet..............................500 sheets...£4.99
Single sheet............................1000 sheets...£8.99
Single sheet............................2000 sheets.£17.99

Delivery for 2000 sheets £5.00 when purchased without printer

SUPRA MODEMS

The Supra-Fax 144LC V.32 bis (14400 baud !)

Low cost version of the classic V32Bis Fax modem. Features as below but class 1 fax only and LED display

only £159.99

The Supra-Fax Modem V.32 bis

This modem has full 14400 baud. includes V.32bis, V.32, V.22bis, V22, V21, MNP2-5, V.42, V42bis, Class 1 & 2 commands, 9600/14400 Group 3 Fax. Includes free modem comms (not Fax)s/w & cable

only £209.99

♦

Supra Fax Plus.......................£119.99
Even faster than the standard 2400 from Supra with auto dial & auto receive. 9600 bps Hayes comp. V22Bis, V42 Bis, MNP 2-5 & auto adjust to maximise transmission speeds. Includes free modem comms (not Fax) s/w & cable.

♦

Supra 2400...............................£64.99
Get on line using this great value fast modem with auto dial & receive. 2400 baud Hayes comp, V22 BIS. Includes free modem comms s/w & cable!!

All Supra Modems come with a 5 year limited warranty

USRobotics

WE ARE PREFERRED USR DEALERS

Sportster 2496+Fax...........................£145.99
Sportster 14400 Fax..........................£243.99
WorldPort 14400+Fax.........................£251.99
Courier HST (16.8)..............................£469.99
Courier V32bis Terbo+Fax...................£449.99
Courier HST/Dual 16.8 Fax..................£486.99
Courier HST/Dual 16.8 Terbo Fax.£556.99

If you thought V32bis was fast try the terbo! They come with a 5 year warranty & are BABT Approved!

PACE MODEMS

MicroLin V22b FAX.....£175.99
MicroLin V32b FAX.....£274.99

5 year warranty *and FULLY BABT Approved!!*

MONITORS

All our monitors are UK spec. All monitors come complete with a free Amiga lead*

Sharp TV/Monitor £189.99
includes remote control, stereo sound

Microvitec 14" Multisync
1 year warranty £399.99
*free cable for A4000 only. A1200 cable £6.99 extra

NEW! **Microvitec Autoscan 1438**
.28 dpi, 15/38 KHz, all Amiga modes, AGA comp. no audio, tilt & swivell stand.
only £319.99

Commodore 1084S....£199.99
Commodore 1940......£284.99
Commodore 1942......£349.99

PREMIER Ink Cartridge Refills

save a fortune in running costs with your ink/bubble jet. Compatible with the HP500/550, Deskjet Plus, Canon BJ10/20/80/130/200/300/330, Star SJ48, Citizen Projet and many others. Full range of colours available.

single refills (22ml)..............................£6.99
Twin refills (44ml)...............................£12.99
Three colour kit (66ml)........................£19.99
Full colour kit (88ml)...........................£27.99
Bulk refills (125ml)...............................£24.99

Cartridges

Canon BJ10 cartridge...........................£18.99
Double life 500 cartridges....................£24.99
HP550/500 Colour cartridge.................£24.99
Star SJ48 cartridge...............................£18.99
Star SJ144 cartridge (pack of 3)...........£42.99
Star SJ144 mono cartridges (3 pack)...£16.99
Star SJ144 colour cartridges (3 pack)..£16.99

Miscellaneous

Printer Switch Box 2 way.......................£12.99
Printer Switch Box 3 way.......................£17.99
Printer Stands (Universal).....................£7.99
3 Metre printer cable.............................£6.99
5 Metre printer cable.............................£8.99

VFM



BUDGET

It must be... it is! It's CU AMIGA's poptastic, fantastic guide to value for money games. Mark Patterson finds his pockets empty, as usual.



POLICE QUEST

KIXX PRICE: £16.99

If American TV is to be believed, police work involves having a partner you don't want, investigating the occasional corrupt fellow officer and shooting at people with your .38 Detective's special.

Unfortunately, as all good *The Bill* fans know, the real world isn't nearly as glamorous. It involves scooping drunks out of gutters and doing bags of paper-work. *Police Quest* is a compromise between the two scenarios, involving plenty of realistic donkey-work and a serial killer called Death Angel exacting his own form of population control.

As an officer of the Lytton Police Department, it's your job to keep the streets safe for law-abiding citizens. You do get to wave your daystick at street punks – who usually give up and go away, but you're prohibited from re-enacting Magnum Force and going on a one-man vigilante crusade, which, I must admit, was the first thing I tried.

The manual covers all the essentials of police work, from when to draw your gun to how to play five-card draw poker with the lads after work. But once you've learned the basics, such as proper arrest procedures you can do away with the manual and really get down to crime fighting.

Once 'realistic 3D graphics' now look very jaded, with psychedelic colour schemes providing tell-tale signs that this game's been converted from the EGA PC version. Still they were good for the time and don't detract from the action. Police Quest is a full-blown classic which will keep you playing right to the very end.

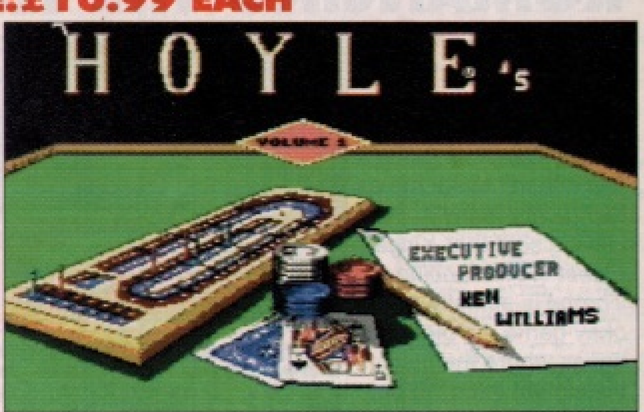
Mark Patterson

88%



HOYLE OFFICIAL BOOK OF GAMES VOLUMES I+II

KIXX PRICE: £16.99 EACH



Card games aren't everybody's idea of entertainment at the best of times – even less so when they don't actually feature real cards but come on a disk instead.

I had certain reservations about this game before I'd even taken it out of the box. You can't blame me though. It's a fair whack of cash to pay out when you compare it to a 50p pack of cards from the local Newsy. However, that was before I discovered the tutorial mode.

Rather than buying these games to play competitive cards, it's a much better idea using them to learn how to play properly against real people. If you're constantly getting trounced by friends and end up handing cash over all the time, a few hours on this game will help you turn things around.

Over the two volumes you can learn the finer arts of various solitaire games, cribbage, crazy 8's and plenty of games you've probably never heard of. Considering this isn't what you'd call a zappy licence, the programmers have gone to great lengths to dress it up too.

There are plenty of opponents to go up against, different card decks to choose from and set-up options for almost every aspect of the game; from dealing speed to how fast you want your opponent's cameo to animate. Unless you're a card addict with a passion for gin rummy, there's a limited amount of fun you can have with this. But for giving your mates a shock by suddenly becoming audaciously good at cards, it's priceless.



Mark Patterson



74%

SPACE QUEST 2

KIXX PRICE: £16.99



This is one of the stalwart titles which helped Sierra hit the big time. It stars Roger Wilco, a hopeless space engineer who spends most of his working life scrubbing the outside of a space station. When he's not battling aliens or saving the universe that is.

In fact, it's his previous universe-saving adventure that's landed him in hot water this time. His arch-enemy Sludge Vohaul, defeated bad guy from the first game, has returned with the express aim of killing Roger and destroying his home-world by unleashing thousands of genetically engineered insurance salesmen on it. Despite the *Red Dwarf* premise, and the occasionally too-American humour, *Space Quest 2* is probably the best game in the series. Some of the puzzles are a little obscure though, such as setting fire to a bog-roll to set off fire sprinklers in order to short circuit guard robots.

While I still prefer the modern LucasArts adventures such as *Indiana Jones* and *Day Of The Tentacle*, *Space Quest 2* has a character all of its own. Although there aren't any major additions to the style of the plot, other than finding yourself lost at every intersection, it's still diverting enough to hold your attention for quite a while. It's not a bad price for a reasonable product, but I would have been happier had it been a few quid cheaper. Recommended though.

80%

»



KINGS QUEST II: ROMANCING THE THRONE

Kixx £16.99

Sir Graham is now King of Daventry. Under his wise rule, Daventry is prosperous. He is loved by his people.

Let's get one thing straight, I am not a fan of headlines with puns in them. So, this game's title doesn't strike me as being very funny. Having said that *Kings Quest II: Romancing the Throne* is actually an okay game. Its plot continues where the first instalment left off. You, King Graham, must provide an heir to the throne, but being a picky bleeder you don't like any of the several thousand nubile young women in the kingdom. Oh no, the one you want is locked up in a tower, guarded by foul creatures from the dark side.

Of course, if it was only as easy as just rescuing her. On your travels you also have to collect as many bits of jewellery as possible in order to buy her affection –which sounds a little suspicious to me. And, oh yes, did I mention Hagatha, the girl's evil guardian, a wicked, scrawny old witch with a vicious temper who tries to hamper your efforts at every possible moment.

The dwarfs also make things rather difficult, while the other inhabitants of the land are like something out of a dodgy American sitcom. However, there's a certain charm to the game, which comes mainly from its decent plot structure and balanced gameplay. It's not quite as good as *Police Quest*, but it's good value for money nonetheless.

84%

Mark Patterson

LEISURE SUIT LARRY II

Kixx £16.99

If you're a nineties man then this is the time to turn the page and go read something nice and technical. However, if you're the sort of birds 'n' booze guy who is quite at home in darkened clubs where you don't mind not being able to see the face of the person you're talking too, this could be your game. It's based on the exploits of Larry Laffer, a man without a woman who's on a mission to plight his trough with the first bit of skirt he finds.

It uses the same point and click interface that now graces all of Sierra's games, although it also features a text-entry system which unfortunately proves a bit awkward at times owing its limited vocabulary. There's also not as much to do as in later Sierra adventures, which is a bit off-putting, especially of you've played any of the more up to date games in this series. Some of the puzzles do prove to be quite taxing, but the majority deal with subjects such as working out how to get a certain girl back to your room while keeping in with her equally tasty mates, in the hope of picking one of them up later.

This may have been the kind of humour which made the proto-computer censorship lobby wince in the eighties, but nowadays it struggles to even hit 'saucy' on the smutt-ometer.

As an adventure *Leisure Suit Larry II* more than passable though, with plenty of puzzles, even if most of them are easy to solve. This game is a good introduction to the adventure genre, but hardened players will go through this as fast a man with a sweet tooth goes through a pile of tasty, yummy doughnuts.

82%

Mark Patterson

FABULOUS SIERRA COMPETITION!

WIN 20 GAMES!



KIXX were pleased as punch when they picked up the Sierra licences a couple of months ago, though not as pleased as you lot when you found out you could get hold of 20 Sierra titles for under £17 each! To celebrate this momentous occasion in budget gaming history, KIXX have agreed to give five lucky CU AMIGA readers the chance to never leave their homes again. In other words, five sets of all 20 Sierra games are up for grabs. So, whether you fancy yourself as a policeman, a space adventurer, a dashing knight or an irresistible hunk, you'll find the right game for you here.

So how do I win one of these fabulous prizes, you want to know. Easy, just answer this very simple question: ***What is Leisure Suit Larry's surname?***

Jot that down on the back of an envelope, add your name and address, and then pop the lot off to:

"I HOPE I'VE GOT ROOM FOR THEM", CU AMIGA, PRIORY COURT, 30-32 FARRINGDON LANE, LONDON EC1R 3AU.

HERE'S WHAT YOU CAN WIN!

Here's a full list of the games you can win. Some are available now, and the rest will be forwarded to you as they are released.

- Police Quest 1
- Police Quest 2
- Police Quest 3
- Police Quest 4
- Quest For Glory 1
- Quest For Glory 2
- Space Quest 1
- Space Quest 2
- Space Quest 3
- Space Quest 4
- Kings Quest 1
- Kings Quest 2
- Kings Quest 3
- Kings Quest 4
- Kings Quest 5
- Leisure Suit Larry 1
- Leisure Suit Larry 2
- Hoyles Book Of Games 1
- Hoyles Book Of Games 2
- Hoyles Book Of Games 3



RULES

1. Closing date for all entries is 30th April 1994.
2. The editor's decision is final and no correspondence will be entered into.
3. This competition is not open to employees of KIXX or EMAP Images.

PD Soft

CUT, TICK & POST...CUT, TICK & POST...CUT, TICK & POST

MasterCard — TELEPHONE HOTLINE'S (0702) 466933 FAX (0702) 617123 — VISA

PD SOFT (CU) 1 BRYANT AVENUE, SOUTHEND-ON-SEA, ESSEX, SS1 2YD

PDSofts Famous 300 Font Packs in Adobe Type 1 or Scalable formats

Special Pack Offer for £39.99 (Now 27 disks)

If you would like a complete list of the fonts or simple like to order the complete pack of 27 disks in either formats just ring or write now. Each pack of 27 disks normaly costs £49.99, Please state Adobe or Scalable when ordering the packs.

Fred Fish Presents

Fred Fish has been working to supply the Amiga community with high quality redistributable software since the Amiga's introduction in late 1985. The Freshfish CD-ROM series is produced directly by Fred Fish, to provide you with hundreds of megabytes of the very latest software.

Unlike many other CD-ROM distributions, most of the software on this-CD ROM is ready to run directly off the CD, without having to copy it to a hard drive or unpack it.

* The current Fresh CD ROM contains disks from 650 to 950 in both formats ready to run and BBS ready. Also contains a full description of all the disks within the library.

❑ I would like to subcribe to the Fresh fish CD ROM series (by Fred Fish) @ £19.99 + (£1 P&P each Rom) and i understand that the CDs will we delivered to my door every 6-8 weeks or as and when they are released.

Payment Details

(i) ❑ I would like my credit card number (my card number, Name and address have been filled in below) to be charged on date of release.

(ii) ❑ I would like to pre-pay for ___ CD ROMs at the above price and i have inclosed a cheque / Postal Orders to cover the costs.

(iii) ❑ I would like this months Freshfish CD-ROM @ £19.99 + (£1 Postage & Packing)

(iv) ❑ I would like more information on this series of CD-ROM software and please send me a mail shot as the disks are released.

❑ CD10 .... Fred Fish 1-1000 CD ROM
Price: £29.99 + (£1 Postage & Packing)
* Within the coming months Fred Fish will be producing a ROM with 1000 disks on it and if you would like to pre-order one tick this box. Your Payment will only be charged or banked on the day that the CD-ROM is sent. Only limited amout of CD-ROMs are been produced so pre-order now. Its also to be a double CD-ROM.

❑ CD4 .... The Aminet CD ROM
Price: £19.99 + (£1 Postage & Packing)
* More that four thousand files. Hundreds of applications such as GNU utilities, editors, hypertext, plotter utilities, modem and comms programs, Demos, Games, sound files. Works with all ISO 9600 cd drives.

Special Products!

❑ T1000 ... The A64 Emulator VERSION 3
Price: £54.99 + (£1 Postage & Packing)
* Just Released! The best selling Commodore 64 emulator just got even better! All new sound and graphics!! All new software It's now compatible with all Amiga's versions of AmigaDos and is completely multitasking! Fully supports Amiga hard and floppy drives and modems. The interface allows you to connect your C64 disk drives and printers to your Amiga. Actually funs faster that the original 64. New File transfer software! Dont throw out your old software.. use it again. Trade Enquires Welcome!!!

❑ T1003 .... Formular One Challenge
Price: £4.99 + (Postage & Packing)
* Manage you own Formula One Team. Multi-player or play against the computer.

❑ T1004 .... PowerBase v2.1
Price: £4.99 + (Postage & Packing)
* Very powerfull database capable of stroring up to 10,000 records on a 1Mb machine. Lots of features and very well documented.

❑ T1006 ... The Ultimate Manager v1.05
Price: £7.99 + (£1 Postage & Packing)
* Is a football management game with a unique results system. You get to see all the other results and scorers during your game. The match happens is real-time so you can make changes when you think they are necessary. You can also view how a rival team may be getting on.

EDUCATIONAL DISKS

❑ ^ + V792 KIDS GAMES Geography Math, Sicence and Word Games.
❑ ^ + V793 AMIGA BEGINNER You asked for it! Tutorial for the beginner on your Amiga!
❑ ^ + V849 LANGUAGE TUTOR v1.0 Spanish, French, German & Italian.
❑ ^ + V908 DPAINT TUTOR Do you have DPaint, The learn how to use it with this disk
❑ ^ + V927 CLI TUTOR Helpfull program to understand how to use CLI & Shell.
❑ ^ + V933 GCSE MATHS Program to help with the GCSE maths course
❑ ^ + V1015 JAPANESE Help teach Japanese. Word-a-day & Vocabulary.
❑ ^ + V1157 DINOWARP TRIVIA You land suddenly & apear in front of a Dinosaur who agres to let you go if you answer 50 questions
❑ ^ + V1158 BACK TO SCHOOL Will demostrate to the youngest kid how to learn on the computer whill having fun. (2)
❑ ^ + V1165 6th FORM EDUCATION Contains Biorhythms, Calc, Elements, Huge, Resumemaker, Typist, Wavemaker & more
❑ ^ + V1168 VISIT TO A RED PLANET Good action, colour pictures & voiceovers make this disk into a stunning production
❑ ^ + V1170 COLOUR IT An excellent colouring book for kids and big kids.
❑ ^ + V1172 DUNGS DTP Childrens work is even done with just the keyboard its a typing program with graphics abilities.
❑ ^ + V1180 BACK TO SCHOOL 3 Contains Treasure Search, ReflexTest, Type or Die, more educations programs of kids
❑ ^ + V1181 COLOUR THE ALPHABET is for early learners which may help with letter & colour recognition and a bit of counting too.
❑ ^ + V1216 COLOUR CHANGES The aim of the game is to create a line of four ball in your colour. Requires 2 players at present
❑ ^ + V1217 JUNIOR MATHS Cut down version which features Counting function so does your child needs help with numbers.

VARIOUS UTILITY DISKS

❑ ^ + V16 AQUARIUM Turns your screen into an eyecatching Fish tank.
❑ ^ + V277 FORTRAN-77 v1.3c Compiler, linker & run time support libs.
❑ ^ + V298 NORTHC v1.3 Complete C language with all files needed (2)
❑ ^ + V301 EYE OF THE BEHOLDER Disk Book with Maps, Strategy & Solution.
❑ ^ + V332 AMIGA PUNT Will try and Predict which horse will win the race.
❑ ! + V350 BUSINESS CARD MAKER Design your own Business cards.
❑ ^ + V366 600 BUSINESS LETTERS Over 600 Standard Business letters.
❑ ^ + V390 DESK TOP PUBLISHING 100 features, Text & Graphics Editors
❑ ^ + V401 WINDOWBENCH (2) Give your Workbench a new look and update your aging software.
❑ ^ + V424 ANTI-FLICKER Said to stop the flicker in High Res mode
❑ ^ + V489 AMIBASE PRO II v1.8 This is most popular PD Database program.
❑ ^ + V490 MESSY SID v2.0 Reads MS-Dos disks, Transfer any text files to & from an IBM PC, ie PC to Amiga
❑ ^ + V523 DICE C COMPILER Matthew Dillons full featured powerful C compiler & environment system. Complete C language (2)
❑ ^ + V536 CATALOGUES A collection of utilities used to Catalog all your disks/ video tapes and audio tape collections (2)
❑ ^ + V573 FILE & HD HDClick v2.0, File Finder, DosControl, & tools. (2)
❑ ^ + V575 HOME BUSINESS Based on word processing, Data Management, Spreadsheets, Accounts & Printing. (6)
❑ ^ + V583 ICON EDITOR III v2.0 Create Icons upto 640x200. Edit or Create
❑ ^ + V610 GOLF SCORES v1.84 It will record each round you play & Store it
❑ ^ +> V611 FOOTBALL LEAGUE v1.1 Want to update your teams league position.
❑ ! - V635 IBeM EMULATOR v1.5 Is a CGA Colour IBM-PC Emulator for Amiga.
❑ ^ +> V660 HOME MANAGER Is an addressbook, inventory database, 2-do list
❑ ^ + V662 DCOPY v3.1 PRO You can select the speed of the disk drive, Copy modes, Dos, Nibcopy, Ver & safecopy
❑ ^ + V678 DRAW MAP v4.1 You can generate world maps in detail views. 3d or 2d ❑ 2Mb (2) or ❑ 1Mb V263
❑ ^ + V681 GAME TAMER v4.59 Get a hold of that extra hard game with a cheat
❑ ^ + V685 ASTRO ASTROLOGY v3.5c Best Astrology program on the Amiga
❑ ^ * V690 WB 2/3 UTILITES Contains the programs that should have been with WB 2.x Take full advantage of the many NEW capabilities that are available. (2)
❑ ^ + V710 AREXX TUTORIAL Includes several samples of Arexx scripts and programs
❑ ^ + V711 UNIX Working demo of Minix a Unix based System which is call campatable
❑ ^ + V719 FREECOPY v1.8 Removes protected games copy protection so that the user can install them on HD.
❑ ^ + F691 PROFESSIONAL C MANUAL v3.0 Is the largest collection of utilities, documents & examples for C, It consists of six manuals, with over 40 chapters (5)
❑ ^ + V759 TEXTENGINE v4.0 Up-dated version of the Word processor with AZSPELL.
❑ ^ + V761 A-GENE v4.18 The most popular genealogy database program.
❑ ^ + V782 FORMS Create, Edit, Draw, Colour & print your own forms.
❑ ^ + V783 PROGRAMMING TOOLBOX Many programs to help in your development efforts (most C but some in basic).
❑ ^ + V784 AREXX Contains a selection of Arexx programs & finished examples (2)
❑ ^ + V786 PASCAL Everything needed to program in Pascal. A68k 68000 assembler.
❑ ^ + V787 PROGRAMMER TOOLS GadTools to design your user interface to your own programs using all of DOS 2.0+
❑ ^ + V790 ANIMATION UTLS Includes CyroUtils for splitting, combining, and creating animations from IFF picture files.
❑ ^ + V791 DIRECTORY ULTS Highly recommended programs which are designed to make CLI tasks virtually obsolete.
❑ ^ + V794 GRINDER Complete graphic conversion package that supports GIF, JPeg, Atari St, PCX, Targa, TIFF, Ham-E and IFF Formats
❑ ^ + V799 ADVENCED UTILs SerNet & ParNet, Connect 2 Amigas & share resources via serial or Parallel ports. MyMenu
❑ ^ + V811 ELECTROCAD v1.42 & PRO TOYPER Electronics drawing Programs.
❑ ! - V817 A500 PLUS EMULATOR As it sounds will let v1.3 / v1.2 owners run WB v2.x+ software WITH-OUT any need to purchase the Workbench v2.x chips.
❑ ^ + V820 BBBBS v6.5 Baud Bandit bulletin Board System Ftures include up to 99 file libraries, interface to extra devices
❑ ^ + V821 SNOOPDOS v1.5 Monitors Dos calls to see what library, devices, fonts are required if a program won't load
❑ ^ + V827 REPAIR-IT 2: NewZap v3.3, Sector file editor. FIXDISK v1.2, Recover as much as possible from a defective disk
❑ ^ + V841 MODULA-2 Contains modula-2 language on the Amiga.
❑ ^ + V842 SID v2.01 Sid can be used for various operations, like file copieng, renaming, deleting, Moving, Formatting ect
❑ ^ + V858 MUSIC MAKERS Programs to produce your own music productions.
❑ ^ + V865 IMAGE PROCESSORS Tools to perform wide variety of Image techniques
❑ ^ + V866 MANDEL EXPLORER collection of Fractal Generating software utilities (2)
❑ ^ + V875 SPACE The space disk helps you study, identify the Stars & celestial objects
❑ ^ + V888 TRONI CAD v1.36 Its the best Computer Aided Design program with excellent power functions for all users.
❑ ^ + V899 BACK-IT UP Newly updated disk which contains ABackup v4.03 A Powerful backup utility that may be used for Hard Drive backup and File Archiving. It also contains SysInfo v3.23 + BackUp v1.4x
❑ ^ * V901 FM v2.2 stands for fast Intro Maker
❑ ^ + V924 PLAT MAP An extra disk for use with Draw Map v4.0 Will use 512K
❑ ^ + V928 THE LITTLE OFFICE One of the best disks. Has a Word processor, Database and programs to aid all small business company.
❑ ^ + V938 LETTERS & BOILERPLATE contains various letters for you to use as your own or cut and pause into a Word Processor.
❑ ^ + V942 SCREEN BLANKERS A disk packed with screen blankers. Includes the Twilight Zone blanker along with 10 others
❑ ^ + V943 LYAPUNOVIA v1.5 Mindbogglingly colourful program that makes pictures from a mathematical formula. AGA support
❑ ^ + V945 PROPAGE 3 ENHANCER Over 40 Genies for use with ProPage 3.0
❑ ^ * V946 SYSTEM OPTIMIZER KCommodity gives you memory meters. REorg will optimize hard, floppy disks for speed increase. HDMem virtual memory. 2 Meg of HD space for 2Mb
❑ ^ + V948 INTUITION BASED BENCHMARKS v6.5 Contains all the popular BMs like Sieve, Dhrystone, Savage, IMath & Matri
❑ ^ + V949 TESTS Contains all of the classic speed tests and system checks we could find. Includes CPU Speed and system diagnostic tool
❑ ^ + V951 PROTECTION is a collection of utilities aimed to protect your data and autobooting of HDs & Document Files. Lock your data files
❑ ^ + V952 x-BENCH v1.0 is the complete solution to the replacement Workbench. Contains loads of usefull utls LastHope, View, Virus Checker, Power packer & DCopy2 (2)
❑ ^ + V958 CLUB LEAGUE Is a utility that will allow you to edit and keep track of your divisons/leagues stats within a club league
❑ ^ * V962 SUPER KILLERS v5.1 The latest Virus Killers like BootX v5.23b, Virus Checker v6.34 and the new release of VirusZ II v1.0 should be able to kill those's nasty trojans and virus's. (2)
❑ ^ * V976 WB 2.0 UTLs 6 Heres another disk of WorkBench enhancement utilities
❑ ^ + V977 HD UTLs More Excellent utilities for hard drive and file editors at heart (2)
❑ ^ + V979 NCOMM v3.0 Is a communications program based on Comm v1.34 with lots of very nice enhancements
❑ ^ * V980 KICK v1.4 Will down grade your A500+, A600 or AGA machines to run all that old software that would NOT normaly work. Turns them into a kickstart 1.3 machine
❑ ^ + V983 MEGA CHEATS v3.0c Now contains over 500 cheats.
❑ ^ + V984 PROTRACKER v3.0a The latest updated version from Norway, Various bugs fixed and well over 70 brand new features
❑ ^ + V988 ZIPBENCH v4.0 Another Workbench replacemant but contains excellent utilities like, powerpacker v2.2a, powerplayer, SysInfo, VirusX, Archiver, b-Base, BootInfo, Degrader, Fist Aid Box (2)
❑ ^ + V994 THE MONEY PROGRAM v1.5 Features include upto a maxium of 60 accounts, upto 50 direct paymenys,
❑ ^ + V1000 GRAPHPRO v1.0 Written with Amos pro by David Jordan. Basically takes a set of data, plots them on a graph.
❑ ^ + V1001 VMORPH v2.21 Will allow you to create smooth morphs/warps between two different images over a period of frames
❑ ^ + V1002 RAMOS PRO v1.12 If you have Amos Pro then this disk will make your programs Boot without the program
❑ ^ * V1003 NICKPREFS Is an enhancement to WB 2/3 which adds 3 new preferences WBPicture, BuzyPlanter & Floppy.
❑ ^ ^ V1005 WB 3.0 UTLs Contains the first batch of AGA utilities for WB 3.0 users
❑ ^ + V1009 TURBO TEXT v1.1 Excellent Word Processor. Very impressiveversion.
❑ ^ + V1013 POOLS PREDICTION Need a helping hand to win the Pools.
❑ ^ + V1016 OCTAMED v2.1 Music editor which was designed for making music.
❑ ^ * V1017 POST v1.86 An excellent Postscript interpreter for the Amiga which implements the full Adobe language (3)
❑ ^ ^ V1021 (AGA) SCREENS Enhance your Workbench disks with backgrounds like these's. All pictures in full AGA colour.
❑ ^ + V1023 LITTLE TRAVELLER v1.1 Shows a world map. You can select any country for travel information, Zooms up another map with detail.
❑ ^ ^ V1024 (AGA) MANDELSQUARE v1.6 Generates enhanced AGA set images. You can create 256 coloured pictures
❑ ^ * V1025 TERM v3.4 Comm program, Xpr transfer, filetype ident after download, cut & paste, point-and-click, auto upload/ download, VT102/VT220, Ansi emulation, powerfull phone book & AGA support (3)
❑ ^ ^ V1037 (AGA) A1200 WB HACKS An excellent collection of Utilities & Hacks
❑ ^ + V1038 AMOS PRO UPDATER v1.11 1st Update to the Amos Professional
❑ ^ + V1039 HARD DISK INSTALL If you need to install your A1200 HD then you need this set of disks which can do a low-level format and then install Workbench 3.0 (2)
❑ ^ + V1040 bBASEIII v1.4 An easy to use, versalite, yet full featured database. Greatly enhanced and a successor to bBASE II.
❑ ^ + V1041 DIGITAIL BREADBOARD Full featured digitail circuit simulator
❑ ^ * V1043 SUPER DARK v2.04 A screen blanker like After Dark from the MAC
❑ ^ + V1044 FANCY PRINTING Banner, Graph Paper v1.2 and Disk Print v3.59.
❑ ^ + V1045 uDRAW v1.0 a mechanism for the rabid drawing of schematic diagrams.
❑ ^ + V1051 EASY CALC PLUS A spread sheet designed to be both easy to use and fast. Built in excellent help system.
❑ ^ + V1054 ADVANCED UTLS 2 Compress Disk doubles the capacity of your D on the fly with compressions, DiskOptimizer, SCSI Mount
❑ ^ * V1055 PARBENCH All the software you need to hookup 2 Amiga's or CDTV's.
❑ ^ + V1056 DEVELOPER Contains the official Commodore developers Kit for theAmiga, Amiga Guide & install utilities.
❑ ^ + V1058 3D GRAPHICS Several 3d moddeling/ray tracing programs
❑ ^ + V1059 GRAPHICS Create stunning graphical Images. MPath creates swirling galaxy images. Roses, Rayshade
❑ ^ + V1060 CIRCUIT BOARD DESIGN Includes mCAD v1.26 and several terrific routines for the electronic enthusiast.
❑ ^ + V1061 DISK UTLS Several highly recommended programs for performing file hard drive backup, file recovery, disk track recovery, and forced disk validatuion
❑ ^ + V1062 DESKTOP PUB Transfers Macintosh screen fonts, IGM music files to Amiga fonts/PPage metric files.
❑ ^ + V1063 RIPPERS, STRIPPERS & BEATS For the music enthusiast, designed to strip music from your favorite games.
❑ ^ + V1067 3D OBJECTS 3 About 20 objects in Sculpt / Turbosilver format
❑ ^ + V1069 PRINTER DRIVERS 5 Desk-jet 550c, 500, 500c, Ricoh HP1200, Canon BJ300, 130, LP8, 10e, PJ1080a HP Paintjet.
❑ ^ ^ V1070 (AGA) UTLs 2 256 colour Icon editor, Plamsa256, QuickGrab v1.1
❑ ^ ^ V1071 (AGA) MSM v1.8 Martins system monitor for programmers.
❑ ^ ^ V1072 (AGA) WINBLENDER v39.28 Create excellent/stunning AGA fractals. Also contains 68030/040/FPU versions.
❑ ^ + V1073 FT-X ACCOUNTS v2.01 Was written as there are not ready any other good account packages.
❑ ^ ^ V1074 (AGA) UTLs 3 Collection of AGA Based utilities. Includes Kill AGA Which allows you to run old badly written programs incluing demos & some games
❑ ^ * V1077 GENEALOGIST v3.04 Is a specialized database for keeping track of genealogical information. Full featured & a wide selection of features to use.
❑ ^ + V1078 PC TASK v2.03 Software IBM-PC emulator. It allows you to run the majority of PC software with no additional hardware. Now supports VGA, EGA, CGA and MDA.
❑ ^ + V1079 KEYBOARD TRAINER v1.1 Best Public Domain Typing Tutor. Excellent
❑ ^ + V1081 REPAIR-IT 3 Contains a selection of Disk, Hard Drive repairing and file saving utilities for the Amiga.
❑ ^ + V1083 CROSS v5.1 Is a program that creates crossword puzzles for you
❑ ^ + V1084 SPECTRUM EMULATOR v1.7 This is the best & latest version of the most popular emulator for the Amiga. There is an 020/030 versions now on the disk which enhance the games on disk. (2)
❑ ^ + V1087 STOCK ANALYST Technical analysis and securities tracking program which calculate when to buy & sell shares
❑ ^ ^ V1088 WB 2.0+ UTLs Contains ChkFrag, DFC5, FastDos, Formatter, No-Click, UnDelete, KeyMac, MegaWB, MR, 1 Plane, OpenL, ResumeMaker & StarBlank.
❑ ^ ^ V1090 ANDYS (AGA) UTLs Another selection of utilities for A1200 owners also includes FakeMem, KillAGA, AGATest, Degrader
❑ ^ + V1091 ASTRONOMY v2.1 A menu driven astronomy program that calculatoes information about the Sun, Moon, Planets and Constellations. New updated version
❑ ^ + V1092 HEROQUEST AID Will aid solo AD&D players who do not have a Dungeon master. It takes over the DMs role.
❑ ^ + V1093 PARNET SET-UP A two way network file system between two parallel ports, establish via two amigas. (2)
❑ ^ * V1095 THE DEGRADERS If you have trouble running software on an A1200 or A4000/030/040 give this disk a try it will emulate the basic 1.3 rom better that any other software on the Amiga at present.
❑ ^ + V1096 MING SHU CHINESE ASTROLOGY Will create a horoscope in seconds, not hours. Its the complete aid.
❑ ^ + V1097 TITANIC CHEATS v1.40 Contains 950k of raw data which is just a whisker under 600 games. Well presented
❑ ^ * V1104 COLOURED ICONS Transfer your disks into colouful well presented works of art with this database of excellent icons.
❑ ^ + V1106 MAJOR LEAGUE Allows you to keep track of your favorite teams and there results. DataIndex v2.4
❑ ^ + V1109 STAR VIEW Is designed to show graphicallythe positions of the stars and planets from any point on Earth.
❑ ^ + V1110 FORCASTER v2.01b Is a Horse Racing prediction program which uses statistical analysis of Major factors.
❑ ^ + V1112 CHEQUE BOOK v2.5 Record your bank and other transactions.
❑ ^ + V1114 PRINT LABELs DocDump2.1, Envelope Print v1.2, Inlay Maker v1.4, MC master v1.1, Banner Press, Label Print v3.5
❑ ^ + V1116 POOLS WIZARD JNR Deadacated Amiga Football Pools predicter.
❑ ^ + V1117 x-BEAT PRO A good program for drum sequencing 16 bass.
❑ ^ + V1125 LEMMINGS 2 INSTALL This disk will install Lemmings 2 to your hard drive. 1Mb Chip RAM + 512k RAM
❑ ^ + V1129 RED DRAWF TRIVIA The ultimate Quiz and answers game
❑ ^ + V1130 COMMUNICATE v1.2 A helping tool for learning one of the eight formats of cummunications or languages
❑ ^ * V1134 TOOLMANAGER v2.1 Includes the ability to add menus to your Tools menu. add WB icons or Windows. (2)
❑ ^ * V1136 DISKSALV UTLs Copy_C A tool for making backup copies, formatting ect. DiskMate A multi drivedisk copier. Disk Salv2 is a disk structure, file repair come salvage or undelete utl. HDClick, is a hard drive menu and workbench tool.
❑ ^ ^ V1137 (AGA) UTLs 4 Test, BBlank, CheckAGA, CycletoMenu, Doublex, Force VGA, GIF Datatype, PKLudge, PPShow, Rend24, ViewTek and Verlauf
❑ ^ ^ V1138 (AGA) UTLs 5 Degrader, Pov-Ray, AmigaToDouble, CardMemLast, Palette, Promotor, RomTagMem.
❑ ^ ^ V1139 (AGA) UTLs 6 A4091Patch, Alert Timer, Bestid, Clouds, Ham8 JPEG, NewPOP, NTSC4NTSC, PatchPointer, Plasma PCX & Screen Mode changer.
❑ ^ + V1140 FOOTBALL FORICAST v1.2 This is the latest and most upto date football results prediction program. New instructions
❑ ^ + V1141 MANDELPLOT v2.4 Does't just produce 2d fractals, can view them in 2d or 3d modes, make animations, even design your own fractals. Fastest mandel-brat producer
❑ ^ + V1144 GRAPHICS Contains JPEG files, DJPEGGui v37.1, MakeAnim7, BestAGA anim playback, S-Anim-5 v1.1, S-PIC v1.2
❑ ^ + V1145 MENUMASTER III If you want to produce a simple menu system, this is it wether for a hardisk or a floppy disk
❑ ^ + V1147 EASYBENCH Contains a wide selection of utilities which covers almost all the best utilities on the Amiga (2)
❑ ^ + V1152 GOLDED v.94 A GUI Based editor with lots of functions/options (about 250), DICE compiler front end, OS3 look & functions, folding paragraphs, fully customizable menus, Hotkeys, Autobackup, Insert columns, Clipboard & more. (2)
❑ ^ * V1154 MAGIC MENU v1.27 Replaces the standard Intuition menus with pull-down and pop-up menus. Menus can be displayed in a 3d look
❑ ^ + V1156 VIDEO TITLER Can you produce professional looking TV titles and credits for your own videos. Well you can with this, it has outstanding abilities.
❑ ^ + V1161 GOALKEEPER v1.0 Computer soccer administration program, Create your own Mini Football leagues upto eight teams, Fit for the European, UK leagues.
❑ ^ + V1162 AMIGABASE v1.31 A programmable database, features include 2 display meths, filer datatypes, search, print, memo, date, time.
❑ ^ ^ V1164 ASI A1200 FIX DISK Contains all what you would need for getting disks to work on your new a1200 computer.
❑ ^ + V1177 BETTERBENCH Yes its another intresting Workbench utility disk packed 99% full of utilities and documents
❑ ^ + V1178 KICKSTART 3 EMULATOR This disk is a multi kickstart selection utility disk, You can select Kickstart 1.3 (34.005) Kickstart machine (as it is) Kickstart 3.0 (39.106) No AGA support but a superior Workbench ect.
❑ ^ + V1179 FILE-O-FAX Designed for you to work at your own leisure without worrying about forgetting those important meetings, or names, address, tel Number's ect.
❑ ^ + V1184 AMIGA DIARY Is a mouse driven diary capable of storing all persion events and is the solution to those forgotten birthdays, missed appointments ect.
❑ ^ + V1185 GENIE Is a new genealogist database which will keep track of info.
❑ ^ + V1196 DESKTOP VIDEO Is a disk with making and editing your very own video master pieces. Contains excellent software
❑ ^ + V1200 MAGIC WORKBENCH Is a selection of icons or items to enhance your Workbench screen and enviroments.
❑ ^ + V1207 OCTASTUFF A new collection of utilites come samples come modules for use with the famous OctaMED programs
❑ ^ + V1208 OCTAROCK A selection of rock orientated modules and samples (OctaMED)
❑ ^ + V1209 GNU C++ COMPILER Requires: HD 6Mb+, These's disks consists of the latest version of the GCC environment. Thus the compiler, driver, assembler, linker, header files inline code generation of library calls. (3)
❑ ^ + V1213 PROGRAMMING Contains the Programming languages like, Ace, AmigaE, AmigaEdo, SBProlog, BCPL4AMI, EGUI, Pascal and others (3)
❑ ^ + V1219 THE AREXX GUIDE Full Amiga Guide document to teach you Arexx!! Tip filled with easy cross referencing.
❑ ^ * V1220 TERMINUS Modem/Terminal program. Full featured scripts/screen modes/overscan, all the popular protocols.
❑ ^ ^ V1221 (AGA) BLANKER BlitzBlanker for WB v3.x only It has 14 different blankers all ready to show off your AGA machine!.
❑ ^ + V1222 PANASONIC STUDIO Special printer Preferences editor and driver system for all Panasonic 9 & 24 pin printers.
❑ ^ + V1223 CANON STUDIO Special printer Preferences editor and driver system for BJC 800&880, LBP A1, A2, BJC 800, BJ5, 10, 20, 200, 230, 300, 130.
❑^ * V1224 SUPER VIRUS KILLERS From Safe Hex Int'l, who catalogs and kills Amiga Trojans and Viruses worldwide comes a complete virus protection system.
❑ ^ + V1226 AMINATION & PAINT Direct Action, Movie the amination player, QuickFlix a slideshow and cel animation, FrePaint & FunPaint a professional Paint programs.
❑ ^ * V1227 GADTOOLs Contains a collection of sharded libraries intended to provide programmers with new GadTools
❑ ^ * V1228 WB 3.0 UTLs 7 Contains another excellent helping of new utilities for WorkBench 2.0 and 3.0. Enforcer, A tool to monitor illegal memory access. Assign Manager, A new pref editor. AssignPrefs, PickStartUp, Allows you to select a startup-sequence of your liking. StickIt, A computer replacement for the ol' Post-It note.
❑ ^ ^ V1229 (AGA) MAIN ACTOR v1.16 A modular anim package with many features, IFF-Anim 5/7/8, IFF AnimBrush, PCX, playing from Hard disk or play in a window. (2)
❑ ^ * V1231 HD SOUND UTLs Contains Sound, SoundMachine, QuadraComp An intuition based music tracker that uses the internal sound capabilities of the Amiga. HD_Frequency, Is a HD recording system with many features, rates 60khz on A1200s.
❑ ^ + V1235 BLACKBOARD v1.0 Is an image proccessor written specifically for the AGA chip-set machines. will load ILBM (IFF), Sculpt files, you can also shade, colour, Crop, Scale, Mapping, Edit, Rectangle, Change range also various Palette routines.
❑ ^ + V1236 INVOICE PRINTER Will print invoices onto your letterheads. Much sort after. Ideally suited to a small business.
❑ ^ + V1237 SUPERSPELL A global spelling checker for use in any program you are typing under. Has a 9,000 word dictionary which you can edit, add, replace ect.
❑ ^ + V1238 KICKSTART SAVER v2.0 Functions include load disk df0:, df1:, load file, kicksum, makekick, save file ect.
❑ ^ + V1239 SKICK PRO v3.43 Is the replacement for KickIt, ZKick, and LKick ect. intended for use on KS2.0 machines and its task is to soft-kick any other version of kickstart into RAM, Enhanced KS3.0 features.
❑ ^ + V1240 SHOW STD v1.2 is a tool that can be used to show the area covered by a particular STD code on a map on the UK. Flying Toasters, is a screen/mouse blanker.
❑ ^ * V1241 THE PD OFFICE is a little collection of wonderful utilities like EdWord-Pro, AddressBook, EasyCalc ect.
❑ ^ + V1242 RE-ORG v3.11 is a fast shareware disk optimizer for AmigaDOS.
❑ ^ + V1243 IMAGE 2.0 OBJECTS Volumes 4 to 7 packed to bursting point of Images for use with that amazing program Image. (4)
❑ ^ + V1247 TEXTURE MAPS in 320x200 JPEG format for use with any rendering progras, textures like Organic, Miscellaneous, Stone, Wood ect. (3)
❑ ^ + V1250 SOLDERING Contains many useful tools for drawing good quality circuit diagrams, and also vero-board (strip board/ solder board) lay-outs. complete PD system.
❑ ^ + V1265 DYNAMIC SKIES A big toolbox for astronomy that has, for an ultimate goal, to answer with speed any question that may arise on celestial objects. You can even animate Jupiter's path across the sky (2)
❑ ^ + V1269 OCTAMED TUTOR A simple guide through the basics of this excellent music program. From OctaMED 3.x upwards
❑ ^ + V1270 PRO BINGO Brings all of the entertainment of Bingo to the computer.
❑ ^ + V1271 THE DARK ROOM will help you learn how to develop films to film spirals.
❑ ! - V1272 CDTV>CD32 ADAPTOR Will help you make a lead so that you can use a CDTV keyboard on a CD32 machine.
❑ ^ + V1273 AMICDROM v1.7 A CD-Rom disk filing system for the Amiga. It supports the ISO-9660 standard and will mount the drive as a dos device (e.g CD0:) You can even access files and directories on a CD.
❑ ^ * V1274 KNIT v1.01, Converts an IFF pic into a knitting pattern. VIDEOMAXE 04.20, A video database that satisfies all needs of a private video user. full OS 2.1+
❑ ^ + V1275 RUSH v1.0 is a directory utility for AmigaDOS 2.0 or greater. It allows files and directories to be manipulated quickly and easily. PEOPLETREE What it offers you is the ability to compile a fair-sized family tree for your self. AMBUSH can be of used to developers, who may wish to test programs.
❑ ^ * V1277 STAR STUDIO Printer driver software for controlling any printer printer.
❑ ^ + V1278 MAIL-O-DEX An excellent way to keep names, addresses, Phone numbers, ect & then print them out.
❑ ^ + V1279 PRINT-A-CARD Want to print a business card or any other type of card then this is the software for you.
❑ ^ + V1280 DIVIDEND WINNER & PERM CHECK Is a pools prediction aid which will advise which numbers to enter on your coupon based on sequence prediction.
❑ ^ + V1281 SMARTY PAINTS The whole idea is for your kids to have a serious art package with usable & interesting facilities.
❑ ^ + V1282 FOOTY v1.4 Is a dedicated football database, sit back in your favourite chair with your mouse-mat on your lap and keep track of whats happening in the football league.
❑ ^ + V1284 PC FORM LETTERS Just load em into your fave WP and insert your own details then Voila ! Instant business letters!.
❑ ^ + V1286 PRINTER DRIVERS 7 Now also contains the program called sid for easy installation of the Printer Drivers.
❑ ^ + V1287 LEARN IN SPACE Let your younger children learn how to add, subtract while playing. Ages 4-7 years
❑ ^ + V1296 EAGLE PLAYER v1.41 Is Germanys best selling module player stroke construction package which supports over 80 music makers and trackers. (2)
❑ ^ * V1302 XFH-HANDLER v1.34, Is a DOS handler which uses xpkmaster.library to provide transparent access to compressed files in a given directory or partition. All compression/decompression is done automatically by the handler when files are read or written.
❑ ^ + V1303 SCALA BACKGROUNDS Pictures are in 736x580 16 colour format for use with The program Scala. Theres about 15 pictures in total and are very sharp indead.

GAME DISKS

❑ ! - 1073 TETRIS ORIGINAL This is the closest game to the original tetris
❑ ^ + 1420 DTRIS If you want a 1 or 2 player Tetris this has to be 1 of them.
❑ ^ + 1749 SCRAMBLE Original that old classic game from the arcades
❑ ^ + 1977 POM POM GUNNER Shoot down WW2 air planes in this Op. Wolf game.
❑ ! - 2018 JETMAN Spectrum classic on the Amiga with all the original sounds.
❑ ^ + 2022 SEA LANCE The first Silent Service type sub war game on PD
❑ ^ + 2054 ATIC ATAC A rendition of the game from the original Spectrum
❑ ^ + 2164 DUNGEON ON NADROJ This is the best D&D adventure type game.
❑ ^ + 2220 STRATEGIC GAMES Eternal Rome, Lords of Hosts, In Moonshine.
❑ ^ + 2221 MIND GAMES 21 of the best games to challenge your mind
❑ ^ + 2272 BLACK JACK LAB Play all the popular versions of Pontoon
❑ ^ + 2278 CARD SHARP Very well presented selection of solitaire games.
❑ ^ + 2280 DIPLOMACY 2Mb Classic strategy game loosely based on World War
❑ ^ + 2411 TOTAL WAR Strategy world conquest type game. 1 or more players
❑ ^ + 2432 GOLDEN OLDIES Galaga, Galaxian, Space Invaders, Asteriods, Batty & Missle Command the Classic selection.
❑ ^ +> 2447 COINDROP Fruit Machine simulator with various gamble modes.
❑ ! - 2448 CRAZY SUE Another first rate cute school girl platform game.
❑ ^ +> 2480 FRUIT MACHINE 2 As near as poss to the Arcade machines
❑ ^ + 2491 LEGEND OF LOTHIAN Excellent adv game in the vein of Ultima.
❑ ^ + 2498 AMOS CRICKET Excellent arcade cricket simulator with nice graphic
❑ ^ + 2614 TETREN Is a 1 or 2 player Tetris. The 2 player game is Head 2 Head.
❑ ^ + 2617 GOLDEN OLDIES 2: Croak, Is a 1 or 2 player Frogger. BiPlanes is 1 of the most additive games we've played here. Trail-Blazer, as the C64 Classic. Scamble.
❑ ^ + 2620 DR MARIO You must move coloured pills down the screen.
❑ ^ + 2621 ETERNAL ROME Start the Roman Empire from 32BC. Build fleets, armies & attack other counties and armies.
❑ ^ + 2622 DONKEY KONG Platform game in which you must rescue the girl.
❑ ^ + 2676 MORIA v5.4 Loads of new features, better graphics, larger, graphics, dungeons, screen updates, overview of dungon's map, more monsters ect..
❑ ^ + 2724 NEIGHBOURS Is the best graphical adventure game to date (2)
❑ ! + 2738 AIR TRAFFIC CONTROL Try to guide upto 100 planes into the AirPort
❑ ! + 2802 CARD-O-RAMA Sea heven, Crib Klondike, Black-jack, Spades, Street .
❑ ^ + 2825 ALL ROUNDER A Cricket simulation with great graphics & play
❑ ^ + 2854 SPACE INVAIDERS II A revised old classic Space Invaiders game.
❑ ^ + 2864 FIGHTING WARRIORS A karate combat fighting contest game.
❑ ^ + 2932 NUMERIX Enjoy puzzles then this is a must. You have a scrabble board & you must place tetris blocks to get points.
❑ ^ + 2987 BOMB JACKY A conversion as the original Bomb Jack, It's as the best
❑ ^ * 2988 BALDERS GROVE Its here Boulder dash with a selection of levels that work fully on Workbench 2. or higher
❑ ^ + 3037 SSW A game for 2 based on Space Wars but with many extra features.
❑ ^ + 3039 ASTEROIDS II v0.85 The best version of Asteroids I have ever seen, If you like Asteroids then this is for you.
❑ ^ ^ 3040 TETRIS (AGA) If you like tetris, you need this disk. AGA graphics.
❑ ^ + 3075 18 HOLE GOLF Fully selectable speed and power functions com-bined with surpub graphics and sound. (2)
❑ ^ + 3162 SON OF BLAGGER Classic C64 platform conversion Can you remember it.
❑ ^ + 3214 UNIV CONQ A strategy game where 2 human players battle for control of the universe. allow the player to concentrate on the games strategy, digitized pictures
❑ ^ + 3234 SYSTEM DEFENDER If Defender is the game and this is the game for you, in true defender style it retains all features.
❑^ + 3235 ALIEN BASH Is set inside a prison for the galaxys mentally unstable, you have been imprisoned there along with a bunch of your mates. Rescue your friends.
❑ ^ + 3252 BONDMINE 12 Well produced in the vain of the classic Boulderdash games.
❑ ^ + 3253 OPERATION METEOR Set in a stunning 3d adventure where you can travel around
❑ ^ + 3265 WIBBLE WORLD GIGGY Wibble World of Giggia Mainia hits town Yes you can enjoy the trills of controling an egg shaped character for free. Solve puzzles, avoid monsters
❑ ^ + 3283 NECESSARY ROUGHNESS As headcoach you will have to call the plays that you think will be most effective to the game. You will then be able to see the action, followed by a breif summary of what you have just seen. (2)
❑ ^ + 3285 THE ENTITY v1.1 You play the role or I should say control the stix and you're beinginvaided by the Entity.
❑ ^ + 3286 AIR HOCKEY Is a bat and ball game based on air hockey from the amusement arcades. 2 players.
❑ ^ * 3287 ROAD TO HELL Is an overhead view driving game like HotRod and super sprint. Theres a helping extra which can be bought from the shop like enhancedtypes, Better Engines, Rockets, Smoke screens ect. (2Mb)
❑ ^ + 3310 STARBASE 13 Is a graphical adventure, simular in style to monkey island and Operation Stealth. A brilliant game (2)
❑ ^ + 3370 DIGITIAL TETRIS Is a One or two player Tetris game with neat graphics
❑ ^ + 3371 SUPER PRIX This is the closest variant game of Super Sprint on the Amiga
❑ ^ + 3383 POPEYE Is one of my old favs from the C64 computer. Very playable.
❑ ^ + 3384 BLOAD RUNNER Remember that old classic game well here it is.
❑ ^ + 3397 SPACE INVASION Another convertsion of Space Invaiders.
❑ ^ + 3401 JETTY QUEST This game is a cross between QBert and Block It with makes it an excellently addictive puzzle game.
❑ ^ + 3411 KINGDOMS AT WAR This is a 1 to 4 player Risk type game with neat and colourful graphics and presentation.
❑ ^ + 3412 THE LAST REFUGE Is a Space invaiders variant set in the middle ages.
❑ ^ + 3413 DARKSTAFF Is another classic game this one from the spectrum world
❑ ^ + 3414 CONQUEST & DOMINATION An excellent strategy war game in which you can battle with troops, Tanks, Guns, Planes, Bombers, Battle ships. Replace ammo, trains, tankers, Build buildings ect.
❑ ^+K 3428 CLASSIC TERIS GAMES For all you out there with a fetish for Tetris games heres a little selection to keep you happy.
❑ ^ + 3434 MR MEN OLYMPICS Heres a fast action joystick waggling game for all true Olympians or just crazzed Mr Men. (2)
❑ ^ ^ 3436 (AGA) MOTOROLA INVAIDERS Its just another excellent AGA very large graphics space invaider type game. (2)
❑ ^ + 3465 ROBOULDIX Is a action puzzle game with 32 colour graphics, over 500 different objects, and is a variant on the most excellent arcade classic BoulderDash.
❑ ^ ^ 3454 (AGA) KLODIKE (3) Fancy a game of Klodike with AGA graphics.
❑ ^ * 3619 GNU CHESS 4.0 It contains a nice graphical user interface (menus, use mouse to move pieces ect.) The advantages of this program over that others are GNU Chess is a much stronger chess playing program.
❑ ^ + 3620 ORC ATTACK Is a simple jet colourful and well designed Orc killing game.
❑ ^ + ASS121 BRAINBOW A board game, which will tax your brains for hours. Rather like a version of the pile-up Scrabble.
❑ ^ + ASS123 ARTILLERUS II Blow up your opponent with this one or two player game.
❑ ^ + ASS127 SHANGHAI 93' A brand new version of the old game calledDragon Tiles.
❑ ^ + ASS138 SCORCHED TANKS This is a enhanced version of Artillerus II with over 25 different weapons and upto 4 players.
❑ ^ + ASS141 BLACKDAWN Travel round a land in which hostile monsters roam free. kill the monsters with a section of weapons. Its a excellent dungeon master clone set in the future. Loads of extra features.
❑ ^ + ASS143 INTENSE is a Gauntlet stroke commando game in which you must walk up the screen killing the monsters, evil guys.

STAR TREK SELECTION

❑ ^ + AT05 KLINGON D7 CRUISER fires torpedoes while passing by NCC-1864
❑ ^ + AT10 ENTERPRICES Leaves the Star station dock. NCC 1701-A classic original
❑ ^ + AT22 APPROACHING VESSELS
❑ ^ + AT23 STAR TREK FLEET MANEUVER
❑ ^ + AT33 THE PROBE II & BIRD OF PREY
❑ ^ + AT34 LEAVING SPACE OFFICE Docking, Attack mode, Bird of Prey Scout attacking.
❑ ^ + 1060 STAR TREK *: TNG Game
❑ ^ + 1081 UTLTIMATE STAR TREK (2) Game by Tobias Richter. Now in English
❑ ^ + 2222 STAR TREK TNG This is the latest quiz game based on the T.N.G (2)
❑ ! - 2301 STARTREK / Jimbo Barber (2) 2dd
❑ ^ + 2303 STARTREK Eric Gustafson (3) 2dd
❑ ^^ 3420 (AGA) STAR TREK PICTURES (5)
❑ ^ + 3452 THE NEW STAR TREK ANIM (2)

* This Month's Best Mega Demo's *

1	❑ ^+	3468	Clairvoyance (7 Awards)
2	❑ ^+	3470	Totally Insane (Rage)
3	❑ ^+	3498	Music Disk (Transbeat)
4	❑ ^+	3511	Crayon Shinchan (Melon)
5	❑ ^+	3512	Asthetica (Icy and Chrome)
6	❑ ^+	3513	Dream Tripping (Digital)
7	❑ ^+	3514	Chit Chat Issue 11
8	❑ ^+	3515	Visual Intensity Issue 2 (2)
9	❑ ^+	3525	Rockily (Ansel) (2)
10	❑ ^+	3527	Uquala (Damage)
11	❑ ^+	3528	Proslak (Fying Cows)
12	❑ ^+	3529	Phaw (Scoopex)
13	❑ ^+	3531	Drowsy (Lemon)
14	❑ ^+	3494	In The Mix Vol 5 (2)
15	❑ ^+	3621	Mean Machine (4)
16	❑ ^^	3542	(AGA) Point of Sale
17	❑ ^+	3625	(AGA) Chromagic
18	❑ ^+	3626	Holo Deck Anim (2)
19	❑ ^+	3610	Illusion (Fairlight)
20	❑ ^^	3603	(AGA) World of Mongol (4)
21	❑ ^^	3607	(AGA) Ferrari Pictures
22	❑ ^^	3710	(AGA) Mini AGA show (2)
23	❑ ^^	3718	(AGA) Barron Shoot em up
24	❑ ^^	3735	(AGA) Planet Grove Mind Warp
25	❑ ^^	3736	(AGA) Empty Head (Redness)
26	❑ ^^	3742	AGA Perspex Hypnosis (2) 100%

PRICES (Prices are Per Disk)

1... disk £3.00	2-5.... disks £2.75
6-10... disks £2.50	11-20.. disks £2.00
21-50.. disks £1.75	51+...... disks £1.50

❑ Special Offer with your first 11 disks ordered select another three disks for FREE thats only £22.00 + 50p P&P (and thats £1.57 per disk).

EXTRA BITS

❑ MOUSE PAD £3.49 - DUST COVERS @ £4.49 ❑ A500 ❑ A600 £4.99 for ❑ A1200
❑ 3.5 CLEANING KIT.......................£3.49
___ DISK LABELS 3p Each / Min 50 or ❑ £11.99 for 1000. Which Includes P&P.
DISK BOXES ❑ 40 £5.49 ❑ 80 £8.99

CATALOGUE DISKS (£2.50)

1Mb	2Mb	A1200	A500	500P	A600

ORDERING BY POST

Please tick the boxes to the left of the disk numbers with a Pen, Hi-Lighter or just outline the disk(s) you would like to order. After selecting the disks, fill in your Personal details on the order form provided. CUTOUT or copy this advert & Post it to the Address above. Hand written orders are also accepted. If you have ordered before please tick the Account box or just fill in your number which was on the previous delivery note. Orders with cleared funds will be sent by 1st class post within 48 hours, Normaly same day.

COLLECTING DISKS

You can now collect any disks from our office address which is Unit 2, 6-8 Durham Road, Southend-On-Sea, ESSEX, SS1 2YD. Collecting disks are cheeper than normal.

PUBLIC DOMAIN & SHAREWARE

The Disks contained within this advert are Public Domain or Shareware unless otherwise stated, Almost all the disks have good Instructions & install routines. Please remember that the cost you pay us is for the duplication & handling costs encured, not for the programs or the contents of the disk(s). Remember that Shareware is not FREE and if you like it, Register it with the Author(s).

CODE NUMBERS

+	Works with Workbench 2.x
*	Workbench 2.x+ Only
^	Works with Workbench 3.x
^^	Workbench 3.x+ Only
>	Not A600 Machines
!	Not Workbench 3.x (k) Requires KICK
(?)	Requires (?) Amount of disks

PAYMENT DETAILS

Make Cheques, Postal Orders (crossed), Euro cheques & Bankers draft's out to PD-SOFT. Credit Cards can be used. Oversea's Cheques Must be Drawn on a UK Bank (No oversea's Postal Orders can be accepted). For fast despatch Cleared funds only.

OVERSEA'S ORDERS

When ordering from outside the EEC there is a minium order of 5 disks. Please add 20% of your order's total (Min £2.00) to cover Air Mail. UPS Delivery is Now Available ask us for more details or a quote.

POSTAGE & CARRIDGE

There is a Postage and Packing cost to be added onto every order of 50p. If you would like Recordered Delivery add (£1.25). Special Next Day Delivery (£4.50) UK only.

Your Name ______ A/c No ______

Address ______

Post Code ______ Telephone ______

Card Card No ______ Expiry Date ______

Signature ______ I enclose cheque/PO for £ ______

Adventure Helpline



Beware. She's lovely to look at, but fatal to kiss. Wild and wicked, Vampyra is back to solve all of your problems and capture your heart.

"Hello darlings, did you miss me? I certainly missed you. I'm getting very bored with death lately. I used to be content popping down the village for a quick bite around midnight, then drifting around the castle till dawn, but after a couple of hundred years things do tend to become a drag. What I need is a long-term relationship with someone who can keep me amused. Of course being the way I am, I do have rather unusual requirements. What I really need is a man who can stay up all night. Any offers?"

GOBLIINS II

In *Gobliins II*, I can't get past the birdcage to get to the thumb tacks. I've got the pepper, salt, stool, kindelexir and a pair of gloves. Please can you help me.
Ryan Green, Kent.

Lift the big pot cover with Fingus. While Fingus is holding the cover, Winkle can pour salt onto the little guy inside. Get Winkle to take the file in the pots. Get one bumbling idiot to hold the left rope, and the other to hold the right. Then hoist Winkle up onto the shelf where he can then use the file to break the chain.

LEGEND OF KYRANDIA

Like you, I like to get my teeth into things, but I am having problems with *Legend of Kyrandia*. I was in the forest beside the floating chalice, and when I used my powers the chalice descended to the ground, only to be nicked by some pip-squeek.

I have discovered three potions (blue, yellow and red). I have bottles of salt water, mineral water and fresh water. I also have a silver statuette of a unicorn. I think I need a potion to shrink myself down to the size where I can enter the little door in the tree. Is this correct?
George Pope, London.

You need my help to make you shrink? Well that's a new one for me. You'll find that what you need is a purple potion. In the woods beyond Zanthia you can find the Crystals of Alchemy. These crystals will help you mix the potions which you already have to make yet more. (e.g. a blue potion mixed with a red potion will make a purple one.) Yellow and blue make green, Red and yellow makes orange.

INDIANA JONES AND THE LAST CRUSADE

In *Indiana Jones*, I can get into the caverns below the library in Venice, but I can't get past the pool.
Pat McAree, Ireland.

To drain the pool you'll need to find the plug in the ceiling just above the rock bridge. Insert the hook which comes from the skeleton's hand then use the whip to pull out the plug.

Of course you are now going to tell me that you don't know what I'm talking about because you haven't found the rock bridge. That's because you haven't been to the cafe in the piazza and got the wine bottle off the table. A wine expert like yourself will recognise that the bottle contains horrible plonk, so you'll have no trouble convincing the diners to let you take it away.

You can fill the bottle with water, and use that to loosen the mud which is sticking the flaming torch to the wall. Pull the torch, then brace yourself.

I would also like to mention that when a man is drunk, he is only half as strong as he thinks he is. Fill the trophy with beer from the kitchen to solve your problem.

OPERATION STEALTH

I've been stuck for nearly four months at the bottom of the ocean, tied to a rock with a girl that I don't even know! I had just met the girl in a hotel room when a bunch of bandits burst in, grabbed us, and threw us both in the ocean. Of course, you know I'm talking about *Operation Stealth*, so please help me.

I would also like to ask what is the best thing that a male can give to female that will keep her happy and satisfied?
Yaser Hamad, Kuwait.



Legend of Kyrandia.

You sure know how to show a girl a good time. My first date was a disaster, but at least I didn't end up getting drowned. The trick in this situation is to ensure that you have taken an inflatable bracelet with you on the date. If you changed all of your dollars into the local money at the bank, (you'll have to do the operation twice to change it all) then you will have enough to buy an inflatable bracelet from the salesman on the beach. Just before you are thrown into the sea, operate the bracelet. Once you are in the water operate the bracelet again to loosen your bonds. Swim towards the girl and operate on her. Ooh it's like when the Count and I play Doctors and Nurses.

As for your last question, there are a number of large mechanical devices which make an impression on most women. One of which is a Mercedes-Benz.

CURSE OF ENCHANTIA

I am stuck in the Ice World, in the *Curse of Enchantia*. After going through Mister Ben's clothes shop, I got the snowballs and threw them at the snow monster, but I can't find anything else to help me get past this point. Also, the man in the pub keeps throwing me out.
Chris Carr, Dunstable.



Curse of Enchantia.

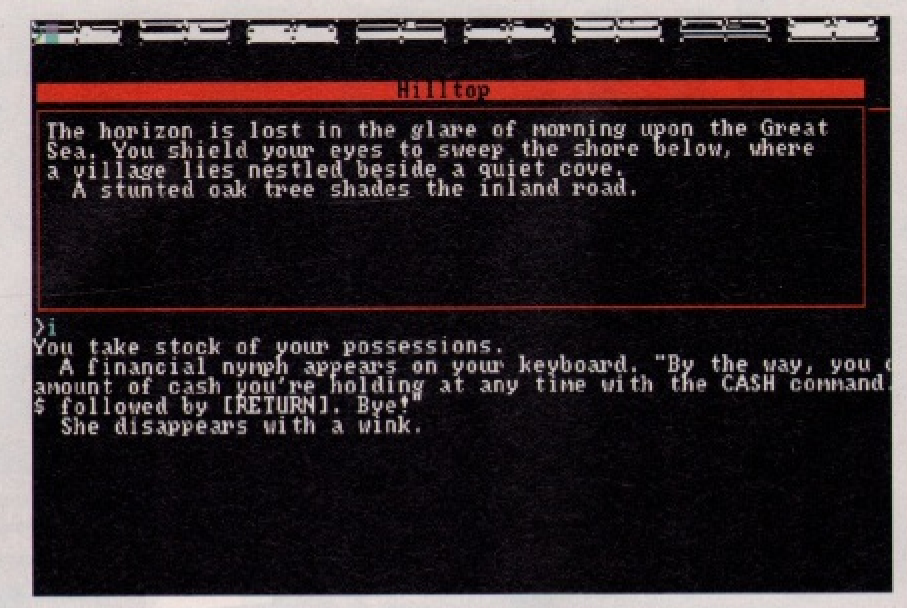
When you first enter the Ice World you'll find a plank which you can pick up. Move to the next screen and throw the plank. You'll now be able to pick up a fish.

Go down a screen and there is a deodourant which you can take. I recommend you wear the deodourant because that fish makes you smell disgusting. You can give the fish to an Eskimo, and he'll give you something!

Don't worry about being thrown out of pubs, it used to happen to me all of the time. Perhaps you should stop taking off all your clothes after you've had a few drinks – it works, believe me.

BEYOND ZORK

My little problem is with *Beyond Zork*, please Vamp, can you help me? In the forest, (where the Cruel Puppet lives) I have come across a rock with an inscription on it... 'Never ahead, but ever behind, flying swiftly past etc...' I'm sure the answer to this riddle is 'Time', yet I cannot see what I have to do. Also, what use is the old sailor?
Jeremy Drake, Southport.



Beyond Zork.

What use is an old sailor! Shame on you. And you with a name like Drake. I never met Sir Francis, but his father was a saucy old devil. I'll have you know that some of my happiest memories concern old sailors. And don't you believe what they say about standing up in a hammock... It can be done; providing you're determined – and you've got a good sense of humour.

Not only are you wrong about the old sailors, you are also wrong about the answer to the riddle. Something which is always behind you, (apart from your bum) is your 'youth'. Happily I'll always look just as gorgeous as I do now.

KINGS QUEST IV

This game is driving me mad. I'm stuck on a beach because I can't find the whale which is supposed to eat me. Whenever I go into the water I keep getting eaten by a shark. I have collected the peacock feather, gold ball, small crown, board, fishing pole, silver flute, Cupid's bow, shovel and a dead fish. Please help. I have spent weeks swimming from different parts of the beach and from different parts of Ginesta's Island with no success. I am beginning to believe that they have forgotten to add the whale on this disk.
Stephens, Pershore.

Don't be silly, how can someone 'forget' a whale? Just when the whale will turn up is a random event, but maybe the cause of your trouble is that you don't appear to have done everything on the mainland yet. Take the gold ball to the pond near where you found it, and throw it in the water. Finally, let me give you a further hint by telling you what my mother told me. "A girl needs to kiss a lot of frogs before she finally meets her prince."

BLACK CRYPT

As I am currently out of work and cannot afford to pay some saucy, fast cat to encase me from head to toe in rubber and beat me with a toaster, I decided to invest in a copy of Black Crypt to give me a dungeon fix. After several hours sweating over a hot keyboard I seem to have ground to a painful halt. The level that seems to be giving me so much trouble is level 10. I have completed everything on this level up until the rather nasty Glyph of Death situated at grid reference 9, 13, 10 and labelled 18 in the clue book. I have tried using both scrolls and spells, remove glyph, dispel magic, remove trap, put-the-kettle-on-and-have-a-lie-down-and-think-about-it spell, but nothing seems to work.

No matter what I do I can't get past the little blighter, and any attempt leaves my characters charred, singed and ashen-faced. Not to mention dead.

Please help me, I am way past my wit's end and starting on someone else's.
Richard Scratcher, Leigh-on-Sea.

Your sad situation reminds me of a King I once knew. That poor dear was shipwrecked on a desert island with his jester. Within a month, he too was at his wit's end. Ah, it's a hard life being so very funny.

I have a nasty suspicion that you have fallen foul of the same problem which snookered me. The glyphs which bar your way in this game are of different strengths and you must use the correct solution for each one. If you use a powerful 'remove glyph' scroll to destroy a weak glyph, instead of using a weak 'remove glyph' spell, it will certainly work, but it leaves you without the powerful scroll which you must have. I fell into exactly the same trap and did not have an old save game which I could use to retrieve the situation. As far as I know, unless you have a save game where you still possess the powerful scroll, you're in trouble!

There is no way out of this problem except to restart the game. My only words of consolation are, if you do restart you'll be amazed how quickly you will get back to where you are now. Most of your time was spent wondering how to solve each little problem. When you replay it again, you'll cut through each level very quickly.



Black Crypt.

Well the clock on the wall tells me that dawn will be here soon, and it's time I was tucked up safely in the family vault. Final thought, 'To err is human - but it feels divine.'

Write down your little problem and send it in a plain envelope to:-

'Dear Vampyra'
CU Amiga. Priory Court,
30-32 Farringdon Lane,
London EC1R 3AU

Free ...with ALL Amigas and CD32

Jurassic Pack



by...

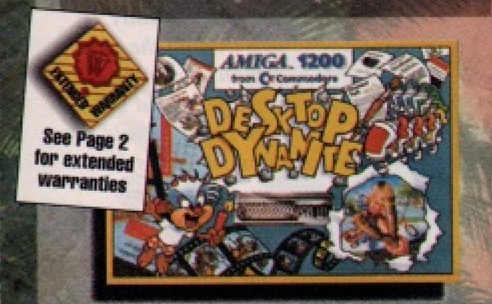


PLUS... a Mouse Mat, Dust Cover and Micro Switched Joystick with Amiga's - only from...

HARWOODS

and... YOU decide which pack to buy from a mammoth range of Amiga A1200 options!

Desktop Dynamite



Amiga A1200 with Dennis, Deluxe Paint IV, Oscar, Print Manager & Wordworth Home WP

OR...

Race 'N' Chase



Amiga A1200 with Trolls and Nigel Mansell's Grand Prix

Plus Packs with Hard Drives, Monitors and Printers too. ALL AT MONSTER SAVINGS!

The Latest Amiga A1200 Packs...

Desktop Dynamite Pack 1



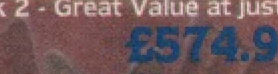
Amiga A1200 Desktop Dynamite Pack with Dennis, Deluxe Paint IV, Oscar, Print Manager and Wordworth Home WP, Plus... FREE - Mouse Mat, Dust Cover, Joystick and JURASSIC PARK THE GAME of '93! **£349.95**



Desktop Dynamite Pack 2



Dynamite Pack 1 as detailed above (including Freebies), Plus... the Superb Philips 15" Pro 2000 Colour Monitor/TV giving you the best of the A1200 with a magnificent display... Desktop Dynamite Pack 2 - Great Value at just... JURASSIC PARK **£574.95**



Desktop Dynamite Pack 3



Dynamite Pack 3 has everything you'll need in ONE complete bundle at a very Special Price. We've added the market leading Citizen 240C Colour Printer to Dynamite Pack 2 (above) - the Perfect Amiga Combination! Don't forget with ALL our Amigas you get Free Mouse Mat, Dust Cover, Joystick and JURASSIC PARK only... **£819.95**

Race 'N' Chase Pack 1

Amiga A1200 Race 'N' Chase Pack with Trolls and Nigel Mansell's Grand Prix, Plus... FREE - Mouse Mat, Dust Cover, Microswitched Joystick and the JURASSIC PARK MONSTER GAME of 1993 **£299.95**

Race 'N' Chase Pack 2



Race 'N' Chase Pack 1 as detailed above (including Freebies), Plus... the Superb Philips 15" Pro 2000 Colour Monitor/TV giving you the best of the A1200 with a magnificent display... Race 'N' Chase Pack 2 - a Budget... JURASSIC PARK **£524.95**

Race 'N' Chase Pack 3



Race 'N' Chase Pack 3 has everything you'll need in a Starter Pack - and... At a Budget Price! As well as the A1200 and Philips 15" Pro 2000 Monitor/TV (as our Pack 2 above), we also include the magnificent Citizen 240C Colour Printer along with Software and Harwoods comprehensive extras for only... with FREE JURASSIC PARK **£769.95**

See Page 2 for extended warranties

NOW WITH LARGER SIZE HARD DRIVES (Phone for smaller drive options)

Amiga A1200 HARD DISK DRIVE OPTIONS	DESKTOP DYNAMITE CHOICES: STANDARD PACK Inc. Mouse, Leads, Manuals, Software etc.	DESKTOP DYNAMITE CHOICES: STANDARD PACK plus PHILIPS PRO 2000 MONITOR/TV	DESKTOP DYNAMITE CHOICES: STANDARD PACK plus PRO 2000 & CITIZEN 240C COLOUR PRINTER	RACE 'N' CHASE CHOICES: STANDARD PACK Inc. Mouse, Leads, Manuals, Software etc.	RACE 'N' CHASE CHOICES: STANDARD PACK plus PHILIPS PRO 2000 MONITOR/TV	RACE 'N' CHASE CHOICES: STANDARD PACK plus PRO 2000 & CITIZEN 240C COLOUR PRINTER
130Mb.	£589.95	£814.95	£1059.95	£539.95	£764.95	£1009.95
170Mb.	£599.95	£824.95	£1069.95	£549.95	£774.95	£1019.95
260Mb.	£669.95	£894.95	£1139.95	£629.95	£854.95	£1099.95

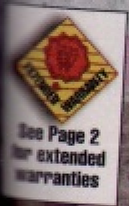
PHILIPS · AMIGA · CITIZEN PRINTERS

Harwoods Free GOLD Service — SEE PAGE 2 FOR DETAILS

All prices are inclusive of VAT at 17.5%. Prices are correct at time of going to press and subject to availability - E&OE.

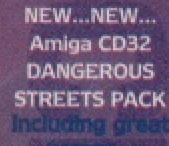
acked!

gordon



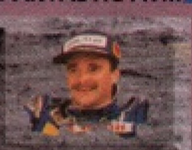
Harwoods LifeTime Warranty Plan

Now you can add a Warranty to ANY hardware item from Harwoods for less than you'd think! Take out up to 5yrs cover and at the end of that period you can extend cover annually... A LIFETIME's Peace of Mind! What's more the Warranty is fully transferrable enhancing re-sale values should you ever decide to upgrade your equipment. Available now even on hardware you may have purchased elsewhere!



Harwoods Free GOLD Service

Items that prove faulty in the first 30 days are replaced with new units unless otherwise stated (eg. on-site maintenance etc.). Hardware that may develop a fault in the first year (some products have 2 year warranty) is collected FREE (UK Mainland). You'll be given an exclusive phone number manned by our technical staff who are pleased to help you with any poblems. All hardware is fitted with a mains plug ready to use. We aim to continue providing the BEST service in the industry!



POWER PRO Pack 1

Amiga A1200 with 80Mb. Hard Drive, Citizen 240C Colour Printer & Philips Pro 2000 Colour Monitor/TV
PLUS: All cables, Dust Covers for Amiga & Printer, Citizen Print Manager 2, Printer Paper/Labels, Mouse Mat, Final Copyll, Superbase, Superplan, Nigel Mansells Grand Prix and Trolls AND... JURASSIC PARK

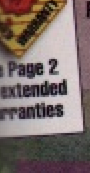
FANTASTIC AT...£999.95



POWER PRO Pack 2

Amiga A1200 POWERPRO PACK 1 as detailed above but with the Amazing MicroVitec CubScan 1440 DMS 14" Colour Hi-Res Multi-Sync Monitor *(in place of Philips Pro 2000)*

FOR THE REAL ENTHUSIAST AT A SPECIAL PRICE only...£1199.95 AND with... JURASSIC PARK



Amiga A1200 HARD DISK DRIVE OPTIONS	POWERPRO PACK1 with 80Mb HD A1200, Philips Pro 2000 Monitor/TV & Citizen 240C Printer	POWERPRO PACK2 with 80Mb HD A1200, Citizen 240C Printer & Multisync Microvitec Monitor
85Mb.	£PHONE	£PHONE
130Mb.	£1019.95	£1219.95
260Mb.	£1189.95	£1389.95



NEW...NEW... Amiga CD32 DANGEROUS STREETS PACK Including great games...

DANGEROUS STREETS
DIGGERS
OSCAR
WING COMMANDER



CD GAMING OF THE FUTURE HERE NOW!!!



only... £299.95

MicroVitec Displays



LOWEST COST COLOUR MULTISYNC AVAILABLE!!!

MICROVITEC AUTOSCAN 1438
14"Colour Hi-Resolution MultiSync Monitor, .28 Dot Pitch, requires separate speakers, ideal for ALL Amigas, ST's, PC SVGA, Acorn etc., Swedish MPR2 ClassB emission standard **£299.95**

MICROVITEC CUBSCAN 1440 DMS
14"Colour Hi-Res MultiSync Monitor, Built-in DMS, .28 Dot Pitch, requires separate speakers, ideal for ALL Amigas, MPR2 Class B emission standard, 1024x768 Interlaced, 800 x 600 Non Interlaced **£429.95**

Philips Monitor/TV Displays



PRO 2000 15" COLOUR SUPER-RES MONITOR/TV
The best of both Worlds - A Quality Computer Display and fully featured FST High Definition TV in one! Infra red, FastText Teletext, Loop Aerial, Headphone Socket complete with leads to your Amiga! **£239.95**

Commodore Displays

CBM 1084S COLOUR 14" STEREO Inc. Leads/Dust Cover — £199.95 While Stocks Last!
CBM 1942 MULTISYNC 14" COLOUR STEREO Inc. Leads, Dust Cover etc. (for A1200's, 3000's & 4000's) .28 Dot Pitch — NEW LOW... £349.95



ADDED VALUE PACKS

HARWOODS EXCLUSIVE POWERPLAY GAMES PACK
A GREAT BUNDLE OF 18 EXTRA GAMES TO ADD TO OUR AMIGA OPTIONS...
YOU WON'T NEED TO BUY MORE FOR AGES!!!

Xenon 2 Megablast*, Stir Crazy, TV Sports Football, Hostages, Jumping Jackson, Bubble Plus, Bloodwych, Tin-Tin on the Moon, Krypton Egg, Purple Saturn Day, Eliminator*, Skychase, Safari Guns, Lombard RAC Rally, Captain Blood, Strike Force Harrier*, Sky Fox II and Lancaster

only...£19.95

...purchased with an Amiga or just £24.95 separately.
*Not compatible with A1200/3000/4000.

Harwoods computers

0773 836781

New Street • Alfreton
Derbyshire • DE55 7BP

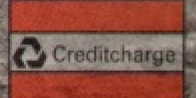
Fax: 0773 831040





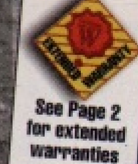






FINANCE FACILITIES AVAILABLE - Please contact us for your personal information pack giving full details.

Amiga Printers



All our printers are supplied for immediate use including cable, paper and labels FREE OF CHARGE. Dot matrix models come with tailored dust cover. We also include specific Amiga driver disks with ALL printers FREE, (with Citizen models you get the excellent Print Manager Version 2)



ALL with 2 Year Warranties

120D+ Mono	£119.95	Swift 200 Mono	£189.95
Swift 90 Mono	£149.95	Swift 200 Colour	£199.95
Swift 90 Colour	£164.95	Swift 240 Mono	£209.95
		Swift 240 Colour	£234.95

CITIZEN 24Pin EASY TO USE PRINTER...
"A Printer for Everyone that can be Used by Anyone" the all new...



NEW!!!

Compact, easy to use new Citizen. Ideal for the first time user but with the capabilities to grow as your needs increase. Superb 24Pin clarity in mono (or colour with an optional kit) on standard cut sheet paper (50sht feeder supplied as standard), sprocketed paper, overhead slides, envelopes etc. and very qui

NEW CITIZEN ABC MONO PRINTER	£154.95
COLOUR KIT	£24.95



CITIZEN PRINT MANAGER...
Supplied FREE with all Citizen Printers! Higher printing resolutions and more control of your Citizen. Makes all your printing EASIER to perform. Ask for details.

star

LC100 Colour	£149.95
SJ144 Thermal Colour HQ Printer NEW LOW...	£459.95
LC24-30 Colour 24Pin Complete with 50 Sheet Auto-Feeder, up to 192cps (draft), 64cps (LQ), 10 Resident LQ Fonts, 14.6K Buffer	£229.95
LC24-300 Colour 24Pin LCD Panel, up to 264cps (draft), 80cps (LQ), 16 Resident LQ Fonts, 46.7K Buffer, Quiet 46/43db Modes	£289.95
STAR LASER PRINTERS...	
LS-5	£579.95
LS-5EX	£679.95
LS-5TT PostScript	£949.95

STAR WARRANTY...
New Prestige Warranty available on all Star printers. This is in addition to Star's standard 1 year warranty and can be extended to a max. of THREE YEARS ON-SITE from a very low cost!!! Ask for further information or check out the booklet included in every Star Box

STAR PRINT MANAGER...
Available with all new Star Printers or for existing Star users. Higher printing resolutions and more control of your Star. Ask for details of this great new utility.



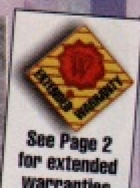
BJ10sx Mono	£209.95
BJ200 Mono, 250cps, Inc. Auto-Sheet Feeder	£279.95
BJ230 Mono, 360dpi, 248cps, A4/A3, inc ASF	£369.95
BJC600 S, 360dpi Colour Bubble Jet, uses Paper, OHP, envelopes. 4 colour CMYK system, 240/170cps - text mode, 8 std fonts, 65K Buffer	£554.95

hp



310 Mono Deskjet	£229.95
310 Colour Deskjet	£264.95
510 Mono Deskjet	£264.95
500 Colour Deskjet	£339.95
550 Colour Deskjet	£524.95

Amiga Compatible Apple™ Printers



Apple™ equipment has always had a reputation for its quality and reliability...but, at a price! NOW you can use Genuine Apple™ Printers with your Amiga at far MORE COMPETITIVE prices than you'd imagined was ever possible...

Apple™ Personal LaserWriter™ NTR
4ppm Canon engined laser with superfast RISC Processor & 3Mb RAM (upgradable to 4Mb). True PostScript™ Level 2. HP LaserJetII & PCL 4+ emulations. FULLY Amiga & PC compatible. Parallel, Serial RS232 & LocalTalk interfaces built-in. No other laser of this quality costs so little...
£739.95

Apple™ Color A3/A4 BubbleJet
Canon BJC 820 engined 360x360dpi BubbleJet. EpsonQ 24Pin emulation. Parallel & SCSI interfaces. A3 & A4 size paper. Up to 300cps in text mode! INFINITE COLOUR OUTPUT using a 4 colour CMYK system of ink cartridges with approx. 700page life. There's no better inkjet at only...
£704.95

Canon Accessories & Consumables

INKJET CARTRIDGES:

BJ10ex/sx	£15.95	BJ800 - Black	£16.95
BJ200/230	£15.95	BJ800 - Cyan	£21.95
BJ600 - Black	£6.95	BJ800 - Magenta	£21.95
BJ600 - Cyan	£8.95	BJ800 - Yellow	£21.95
BJ600 - Magenta	£8.95		
BJ600 - Yellow	£8.95		

SHEET FEEDERS:
BJ10sx in White or Black £54.95

CITIZEN Accessories & Consumables

RIBBONS:

	MONO	COLOUR
120D	£3.95	NONE
90/C	£3.95	£15.95
24/200/240	£4.45	£15.95

AUTO SHEET FEEDERS: All 80 Column Models (Please state) £84.95

ACCESSORIES:

9/24Pin, 80Column Colour Kit (not 124)	£37.95
24Pin, 32K RAM Expansion (not 200/240)	£13.95
24Pin, 32K RAM Expansion for 200/240	£19.95
24Pin, 128K RAM Expansion (not 200/240)	£32.95

star Accessories & Consumables

	MONO	COLOUR
RIBBONS:		
LC10/20/100	£3.95	£5.95
LC200	£5.95	£10.95
LC24/200	£6.25	£12.45
LC24-30 MONO	£8.95	——
INKJET CARTRIDGES:		
SJ48	£15.95	NONE
SJ144	£10.95	£12.95

AUTO SHEET FEEDERS: All 80Column Models... (Please specify model when ordering) £84.95

hp Accessories & Consumables

	MONO	COLOUR
INKJET CARTRIDGES:		
Deskjet/Deskwriter	£24.95 (DoubleLife)	£27.95
Paintjet	£21.95	£27.95
PAPER/TRANSPARENCY FILM:		
Single Sheet		£18.95
Z-Fold		£20.95
Transparency Film (50 Sheets)		£49.95
HP 310 Sheet Feeder		£49.95

Amiga Memory and Accelerator Boards

EXCITING NEW BLIZZARD!!!

Blizzard 1220/4 Turbo Memory Board

NEW!!!

Even more powerful than its predecessor (which was given the coveted Amiga Format Gold Award). JUST LOOK ART THE SPEC..

1. 4Mb AUTO-CONFIGURING 32Bit FAST RAM as standard (with an option of a further 4Mb to a total of 8Mb).
2. Integrated Clock Speed Doubler to run the FAST RAM at 28MHz giving overall performance increase of up to 300% compared with a standard Amiga A1200
3. Integral Battery-Backed Real Time Clock
4. Board may be disabled WITHOUT being removed for full game compatibility
5. Sockets for Maths Co-Pro (FPU) and Crystal-68881 or 68882 up to 40MHz speed.
6. Retains CBM on-site warranty for computer
7. Easy to fit in computers Expansion Trapdoor
8. Latest SMT (surface mounted technology)
9. Full 12 Months Warranty

ALL FOR THE SORT OF PRICE MANY CHARGE FOR NORMAL MEMORY BOARDS **£199.95**



BLIZZARD 1220/4Mb BOARD	£199.95
4Mb. RAM Expansion (Blizzards own)	£TBA
33MHz. FPU Maths Co-Processor	£79.95

Blizzard 1230 Turbo Accelerator

From the makers of the acclaimed Blizzard 1200 RAM Board comes a great A1200 Accelerator...

1. 400-500% performance increase on all applications (with additional on board RAM)
2. Optional fast (up to 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats), Removable/ Drives (Syquests Bernoulli etc) as used on Macintosh etc.
3. 40MHz 68EC030 Processor
4. Up to 50MHz 68882 PLCC or PGA FPUnit (Maths Co-Pro)
5. Up to 64Mb of 32-Bit RAM using standard 72 Pin SIMMS
6. Battery backed real time clock
7. Easy trap door installation. Does NOT void warranties
8. No software required, just plug in and go!

BLIZZARD 1230 TURBO (0Mb.)	£244.95
4Mb. RAM Expansion, 32Bit SIMM	£149.95
33MHz. FPU Maths Co-Processor	£79.95
BUY ALL THREE TOGETHER FOR JUST...	£449.95

FASTLANE Z3 SCSI-II Interface

Lightning FAST Hard Disk access for all Amiga A4000 owners. The only IDE answer...

1. Fast (up to 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats), Optical/Removable Drives (Syquests etc) as used on Apple Macintosh etc.
2. Expandable up to 64Mb of 32-Bit Fast RAM
3. Requires no Buster Chip upgrade!!!
4. Compatible with all existing Amiga A4000's
5. 4 x 32-Bit SIMM Sockets

Exceptional Value FASTLANE Z3... £329.95

SUPRA Turbo A500 & 500+ 28MHz Accelerator

Compatible with ALL A500's & A500Plus (A1500 & 2000 versions available, please ask for details)...

1. Plugs into sidecar expansion slot A500/A500Plus
2. Speeds up your Amiga - up to FOUR TIMES NORMAL SPEED!
3. With throughport for RAM/Hard Drive Expansion etc.

Amiga MUST have some FAST RAM (only std A500Plus do not). Any sidecar or GVP HD RAM already fitted is FAST RAM.

A1200 Performance at only... £129.95

Shown on these two pages are just selections of our extensive range of Amiga Peripherals and Accessories which we are continually extending as new products become available. Please phone us if the item you need is not listed or to enquire about latest news.

Harwoods Free GOLD Service
SEE PAGE 2 FOR DETAILS
GOLD SERVICE



BY PHONE: Phone our Order Hotline with your Access, Visa, Mastercard Switch or Lombard Creditcharge Card quoting number & expiry date (Most Dixons, Currys, NASCR and other 'store' cards are Lombard Creditcharge and are happily accepted by us).



BY POST: Make cheques, bankers building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Please allow 7days to clear prior to despatch). Please send Name, Address, and most importantly if possible, a Day time Telephone Number along with your order requirements. Please check you are ordering from latest advertisement before posting (phone if you require confirmation). Please remember that for example many September publications appear during August, etc., therefore prices you see may have changed (either up or down).

All prices are inclusive of VAT at 17.5%. Prices are correct at time of going to press and subject to availability - E&OE.

gordon harwood computers

ESSENTIAL HARD DRIVE MANUAL FREE WITH ALL OUR INTERNAL HARD DRIVES

Amiga Internal 2.5" Hard Drives

Our A600/A1200 Hard Drives are all high Officially Specified 2.5" IDE Lower Power Consumption units NOT alternative 3.5"drives which the computer was not designed to use. All units are recognised makes (eg.Conner, Seagate, Western Digital etc.). Hard Drives are supplied with driver software, fitting kit, full instructions and back up/repair utility software. Full 1 Year Warranty.

Capacity	130Mb.	170Mb.	260Mb.
Self Fit	£229.95	£244.95	£309.95

Hard Drive capacities are unformatted to the nearest 5Mb.

ASK ABOUT OUR FITTING SERVICE!

If you prefer we can install your drive for you and you'll benefit from...

1. Speedy collection of your Amiga
2. Fitting by qualified technicians
3. Formatting with Workbench installation
4. Hard Disk configuration including intallation of back up and repair utility software
5. FULL 12 month HARWOODS GOLD warranty for BOTH your new Hard Drive AND your existing computer! (see our "Gold Service")
6. Courier delivery back to you.

ADD ONLY £25.00 to your HD Price

NO ONE ELSE OFFERS ALL THIS... you will normally only get warranty cover for the new Hard Drive NOT the whole computer!

Other Hard Disk Sizes: may be available, please phone us for further details. Please note that although smaller sizes (eg 40 and 60Mb.) are still advertised, they are no longer produced in large quantities or even at all. Long term repair replacement parts will become a problem. We would NOT therefore recommend them

External Amiga Disk Drives

FLOPPY DRIVES

NEW!!! Amitek 3.5" built-in Anti Virus checker!!! Free head cleaner	£62.95
Cumana 3.5" with throughport, extra long cable, head cleaning kit	£59.95
Power XL High Density 3.5" Disk Drive - 1.7Mb. capacity, free disk head cleaning kit	£99.95

HARD DRIVES

New... 'OVERDRIVE 35' HARD DRIVES

Now you can get an EXTERNAL Hard Drive that simply plugs into the PCMCIA slot of your Amiga A1200 and still retains its FULL Commodore Warranty!

THE EASY TO FIT ANSWER TO HARD DISK UPGRADES THAT FEATURE...

ABS Casing styled to match your A1200
2Mb./sec FAST Transfer Rates
Independent Power Supply
Installation Software and Manual

ALL Overdrives from Harwoods are pre-formatted, fully tested and ready to go!

Capacity	170Mb	212Mb	256Mb	270Mb
PRICE	PHONE	£329.95	£344.95	£364.95
Capacity	340Mb	420Mb	540Mb	Others
PRICE	£399.95	£484.95	£629.95	£PHONE

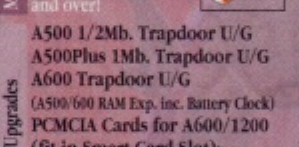
Supra FAX/DATA Modems

SUPRA 144LC FAX MODEM V.32 bis
This modem can transmit and receive both FAXES and DATA at speeds of up to 14400 bps. Amiga cable and Modem to Modem Data COMMS software provided. Optional software required (GP FAX, below) to enable FAX facilities. **£159.95**

SUPRA FAX PLUS MODEM V.23 bis
Transmit and receive FAXES at 9600/4800 bps and DATA at 2400 bps. Amiga cable and Modem to Modem Data COMMS software provided. Optional software required (below) to enable FAX facilities. **£109.95**

GP FAX SOFTWARE Required with the above Supras to enable FAX facilities **£49.95**

Amiga Accessories

Category	Item	Price
Sound & Graphics	Rombo Vidi 12, V2.00	£74.95
	Rombo Vidi 12, Sound & Vision	£94.95
	Rombo Vidi 12, Real Time	£169.95
	Rombo Vidi 24, Real Time	£239.95
	Technosound Turbo Sampler	£29.95
	NEW Technosound Turbo 2	£44.95
Amiga Music Peripherals	Miracle keyboard	£249.95
	Music X full version 1.1	£24.95
	Midi interface 5port c/w cable	£24.95
	ZYFI Stereo Speakers	£39.95
	ZYFI Pro Stereo Speakers	£54.95
	Stereo Master	£29.95
	Deluxe Music 2	£69.95
	Meglosound	£29.95
Amiga Scanners & Genlocks	Power Mono V4.0 Hand Held Scanner	£127.95
	Epson GT6500 Flatbed Scanner	£839.95
	Epson GT8000 FlatbedScanner (inc. Art Dept. Professional)	£1179.95
	Art Dept. Pro - existing scanner owners...	[illegible]
	Rendale 8802 Genlock	£179.95
	Rocgen Genlock	£149.95
Quality Alfa-Data Amiga Mice	HQ Microswitched MEGA MOUSE	£12.50
	HQ Microswitched 400dpi Resolution MEGA MOUSE	£13.95
	HQ Microswitched MEGA MOUSE inc. Mouse Mat/Holder	£19.95
	High Quality microswitched Optical mouse	£28.95
	Alpha Data Mouse Pen	£32.95
	HQ Microswitched Trackball	£29.95
	Auto Mouse/Joystick Switcher	£17.95
Amiga Workstations	RSD Control Centre & Monitor Plinth with shelf:	
	For Amiga A500	£47.95
	For Amiga A600	£39.95
	For Amiga A1200	£47.95
Amiga Joysticks	Zipstick Autofire Joystick	£11.95
	Python 1M	£10.95
	The 'BUG' Microswitched	£14.95
	Konix Speedking Autofire	£12.95
	Konix Speedking Analog	£14.95
	Gravis Game Pad	£19.95
	Full range of Quickjoy and other makes stocked	Phone!
Blank Disks STILL AT LOW PRICES!	10 TDK 3.5" DS DD	£7.95
	50 TDK 3.5" DS DD	£32.95
	10 TDK 3.5" DS HD	£10.95
	50 TDK 3.5" DS HD	£49.95
	Certified Bulk Disks with labels:	
	10 with library case	£6.95
	50 Disks - only...	£24.95
	100 Disks - only...	£39.95
	250 Disks - only...	£94.95
	3.5" Disk Head Cleaner essential for reliable loading	£2.95
Mouse Mechanic	Universal mouse cleaning tool. NO FLUID, Use over and over! 	£4.99 +50p p&p
Amiga RAM Upgrades	A500 1/2Mb. Trapdoor U/G	£32.95
	A500Plus 1Mb. Trapdoor U/G	£39.95
	A600 Trapdoor U/G (A500/600 RAM Exp. inc. Battery Clock)	£47.95
	PCMCIA Cards for A600/1200 (fit in Smart Card Slot):	
	PCMCIA - 2Mb.	£119.95
	PCMCIA - 4Mb.	£174.95

Amiga Book Shop

Title	Price
Amiga 1200 Insider Guide	£14.50
Amiga A600 Insider Guide	£14.50
Mastering Amiga Assembler	£21.95
Mastering Amiga Beginners	£18.50
Mastering Amiga C	£18.50
Mastering Amiga Workbench	£18.50
Mastering Amiga Dos V2 Vol.1	£19.50
Mastering Amiga Dos V2 Vol.2	£19.50
Mastering Amiga Dos V2 Vol.3	£23.50
Mastering Amiga AMOS	£18.50
Mastering Amiga AREXX	£19.50
Mastering Amiga System	£24.95
NEW!! A1200 Next Steps	£14.50
NEW!! A1200 Beginners Pack	£37.95

ABACUS BOOKS:Always in stock Please phone us for keen prices!

Amiga Software

Category	Item	Price
Word Processing and Publishing	Pen Pal V1.5	£34.95
	Final Copy II Release 2-AGA	£69.95
	NEW...Final Writer	£114.95
	The Publisher	£39.95
	Professional Page V4.1	£129.95
	Pagesetter III	£47.95
	Wordworth 2 - AGA	£99.95
	Softfaces 1 to 4 (for FCII)	£39.95
	Softclips 1 to 4	£29.95
	Softwood Proper Grammar 2: (Grammar & Spelling checker, for ALL Amiga Word Processors)	£39.95
Integrated Titles and Databases	Mini Office FEATURING... Word Processor, Spreadsheet, Database and Disk Manager... FULLY INTEGRATED!	£39.95
	Superbase Personal 2	£29.95
	Superbase Personal 4	£114.95
CAD & Drawing	X-CAD 2000	£97.95
	X-CAD 3000	£254.95
	Art Expression	£144.95
	Expert Draw	£49.95
Video Software	Scala 500 Home Titler	£74.95
	Scala Professional	£177.95
	Scala MM202	£289.95
	EditMate	£194.95
	Broadcast Titler 2 - SVGA	£174.95
Miscellaneous Software	GB Route Plus	£36.95
	Turboprint Pro 2.0	£34.95
	Mavis Beacon Teaches Typing 2	£22.95
	TypeSmith	£119.95
	System 3E	£54.95
	Personal Finance Manager	£34.95
	Arena Accounts	£94.95
	Disk Expander	£32.95
Amiga Animation and Graphics Software	Deluxe Paint 4.1	£64.95
	Deluxe Paint 4 (AGA)	£74.95
	NEW... Caligari	£97.95
	3D Construction Kit	£36.95
	Adorage Ad 2	£57.95
	Vista Pro 3	£54.95
	Art Department Prof. V2.3	£149.95
	DCTV Composite Video (24-Bit Graphics System - PAL)	£349.95
	Morph Plus	£149.95
	Real 3D Classic	£74.95
	Real 3D 2	£379.95
	Brilliance	£147.95
	Pixel 3D Pro + Anim Workshop	£149.95
Amiga Development and Utilities Software	Quarterback V6	£59.95
	Quarterback Tools Deluxe (Advanced Disk/File Management)	£99.95
	PC Task - PC Emulator	£37.95
	Cross DOS	£34.95
	Easy Amos	£24.95
	Amos The Creator	£36.95
	Amos Compiler	£21.95
	Amos 3D	£25.95
	Amos Professional	£36.95
	Amos Professional Compiler	£24.95
	Blitz Basic 2	£54.95
	New SAS Lattice C V6.3	£259.95
	Devpac 3	£52.95
	Directory Opus V4	£49.95
Amiga Educational Software	"Micros" up to GCSE Standards	
	micro science - to GCSE	£18.95
	micro maths - to GCSE	£18.95
	micro english - to GCSE	£18.95
	micro french - to GCSE	£18.95
	micro spanish - to GCSE	£18.95
	micro german - to GCSE	£18.95
	compendium six (6 titles)	£27.95

NEW FINAL WRITER from SoftWood Products Europe

Final Writer

A great new Word Publisher which incorporates DTP like features with excellent quality results **£114.95**

Amiga Games

Phone and ask about our MASSIVE SELECTION of competitively priced entertainment software!!!

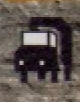
0773 836781

Department ACO-J3
New Street • Alfreton
Derbyshire • DE55 7BP

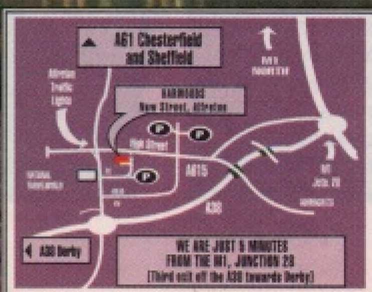
Fax: 0773 831040

Harwoods Free GOLD Service SEE PAGE 2 FOR DETAILS GOLD SERVICE

EXPORT: Most items are available at TAX FREE PRICES to non UK residents and/or service personnel. Please contact us for confirmation of export prices before placing your orders.



FREE DELIVERY: by Parcel Force, UK Mainland only, OR: NEXT WORKING DAY COURIER - just £6.95 per major item [or £10.00 Saturday delivery], most regions. (Despatch normally on day of order or payment clearance).



OPENING TIMES
9.00 until 5.00 Mon to Sat
Wednesday - 9.00 until 1.00

Why not take a trip out to visit us and see our full advertised range... and more! Plenty of FREE parking!



GET SERIOUS

The best technical section this side of Pluto, this is CU AMIGA's monthly guide to what's seriously hot on the Amiga scene. You want the low-down? Then join the Get Serious hoe-down!



The CU AMIGA top rated accolade for non-games products scoring over 90%. They will definitely be worth the money and are likely to act as a benchmark for future releases.

QUIT The 17-Bit Disk Copier © Almathera 1993
ASN8 Assasins Games #8
ASN9 Assasins Games #9
ASN10 Assasins Games #10
ASN11 Assasins Games #11
ASN12 Assasins Games #12
ASN13 Assasins Games #13
ASN14 Assasins Games #14
Click these to << [^] >> SEARCH
Click here to COPY DISK or press ENTER
Contents: BALL, ASTEROIDS, TWINTRIS, BLOCK IT, SQUAMBLE, AMIGATRATION.

All three CD-ROMS in the 17 Bit Collection can be accessed from this front panel, which makes finding that particular disk rather easy.

17 BIT II - THE COLLECTION

CD-ROM

One of the better known purveyors of Amiga Public Domain has been 17 Bit Software, a company with enough foresight to place most of its collection on a set of two CD-ROMs last year. Amiga users lucky enough to have access to a CD-ROM drive could buy these disks and instantly gain possession of over 1700 floppy disks worth of software, for the bargain price of £40. Now the library has grown enough to merit a new disk, and so *17 BIT II – The Collection* is here.

The CD is compiled from disks 2302 to 2800 from 17 Bit's library. As this doesn't quite fill the entire disc, you'll also find the *Assassins* Games Disks 1 to 140, which just happen to feature two of a certain CU AMIGA writer's programs (blush), and dozens of slightly more obscure collections which between them offer almost every Public Domain program you could ever need.

As per usual, judging a collection is difficult (do you look at each PD program in turn, score it out of 100 and then average the results?) but this time there are certain aspects of the collection I don't like. For starters, the use of the DMS archiver really gets up my nose. The *Disk Masher* program works by reading each track of a disk and putting it all into one file, usually with a name ending with .DMS. Yes, it's nice and convenient to pack each disk into a single file. Yes, it's clever to have each PD disk re-created onto a floppy disk. No, I don't like it. I use a CD-ROM drive connected to an A4000 to access CD-ROMS, and if I want to use a particular file on the disk it means waiting while an entire floppy is processed. One of the reasons I have a CD-ROM drive is to get away from a reliance on floppies, and I much prefer the approach of the *Walnut Creek Aminet* CD-ROM, which uses LHA to compress files individually and sort them into various categories.

Unfortunately, when it comes to demo programs, DMS is the only solution, as every single track on the disk – bootblocks especially – must be included in the archive. Don't worry though, you'll still spend more time using the files than you will waiting for them to un-DMS, and to be honest there probably isn't a better way of storing the files.

The other floppy collections on the CD (ARUG, NZ and AMIGAN) are stored in an uncompressed form, which makes life easier, and when left to auto boot in a CDTV or CD32, a special disk selection front panel appears. This panel is quite handy and scrolls a list of all the files on the disk. In fact, you also get a list of the files on the previous disks in the 17 Bit Collection. If you select a disk from one of these you are prompted for the relevant CD. It's a nice touch, and I can see queues forming in Amiga clubs across the land as members wait in line to get their chosen PD from a CDTV acting as a vending machine or jukebox. However, for some reason I had a great deal of hassle with the front panel, especially using the CDTV remote control. The button seems to have a random effect on the display, ranging from the irritating to the useless, and I quickly started using *Parnet* to access files from another Amiga instead.

When it comes down to it though, no matter which way you decide to access the files, you'll still have many hundreds of megabytes of Amiga software to look through. An essential resource for all Amiga owners.

82%

Available from: 17 Bit Software, 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorkshire WF1 1DH. Tel:0924 366982. Price £19.99 plus 75p P&P.





SMARTY PAINTS

KIDS PAINT

These kiddie paint packages seem to be getting quite popular recently. The idea is that your kids can have all the fun of drawing multi-colour pictures and patterns, without having to get to grips with technical programs such as *Deluxe Paint*. *Smarty Paints* has evolved from a similar program called *Borealis Junior*, but has since undergone a re-write and a gained a load of new features.

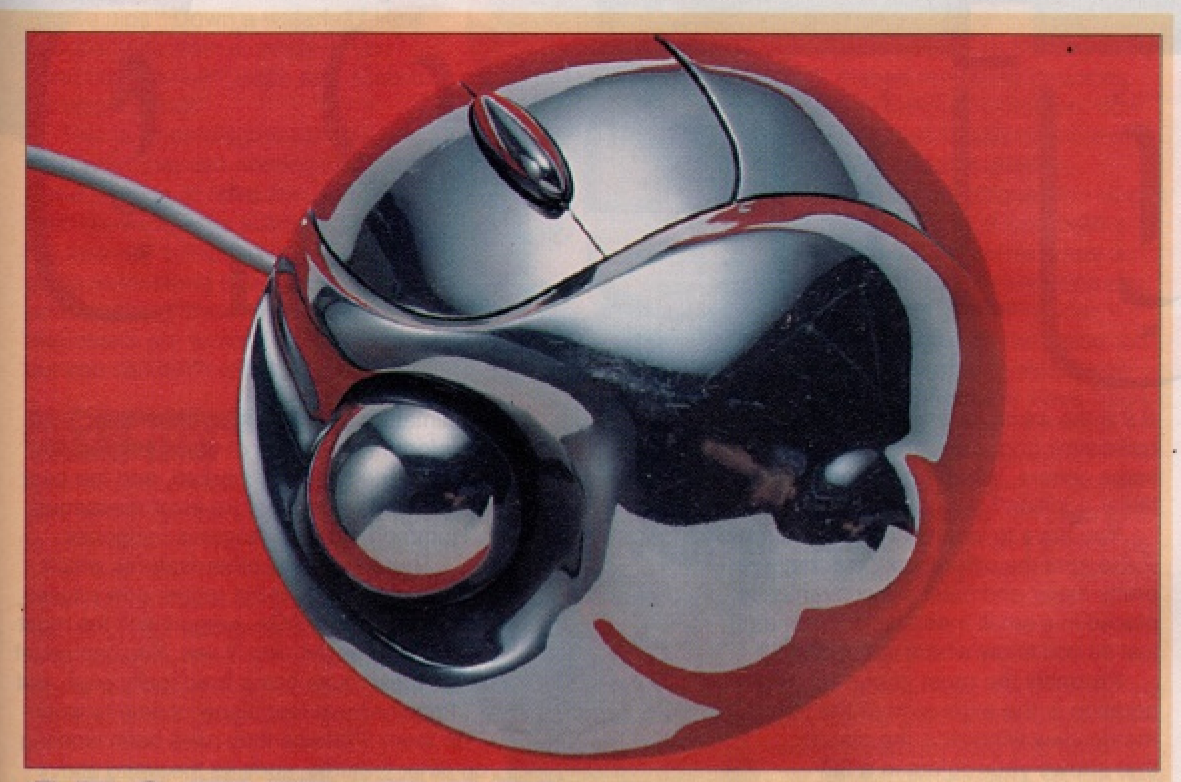
All the drawing functions are accessed from a big icon panel. Instead of using obscure little pictures, the buttons are all clearly marked with a text description of their function. This makes it a lot more accessible from the start, so long as the user can read of course.

You won't find the kind of advanced features that make *DPaint* the number one artists' choice, but you do get a lot of good features. *Smarty Paints* is geared towards fun, which means lots of colour, lots of patterns, and a quick and easy interface.

Pictures can be saved out in standard IFF format, so you can use it in conjunction with any other graphics package you may have. More fun than a barrel full of monkeys – well, almost.

Available from: Chroma Computer Images, 153 Holt Road, Fakenham, Norfolk, NR21 8JF. Tel/Fax: 0328 862693. Price: £28.00.

81%



LEGEND BALL

TRACKBALL

Mice are tops, there's no doubt about that, but they're far from perfect. The trouble with a mouse is that it requires a certain area of flat desktop in order to work properly. If you happen to work in a very tight space, such as the CU AMIGA office for example, you could find yourself running out of space all the time. Then there's the matter of the trailing cable, which can get caught up under the keyboard, around the phone, or even lasso your coffee cup and cause a major catastrophe. Heavens, it makes you wonder how we get by with mice at all! With a trackball, however,you could put all of that executive stress behind you.

A trackball is, in effect, an up-turned mouse. Instead of moving it around a surface, which in turn moves a roller-ball, you leave the main unit sitting still on the desk and move the ball with your fingers, or any other bodily appendage that happens to be handy. Most trackballs are designed to be rolled with the palm or forefingers. However, clicking the buttons and rolling the ball simultaneously is not normally very practical. This is where the Legend Ball scores most of its points. The ball is operated with the thumb, while the fore and middle fingers rest on the buttons. This means that you don't need to move your hand at all, which makes for much smoother operation than most traditional trackballs.

One important point to note is that it's designed for right-handed use. Left-handers could find it very awkward. Opinion in the office was split on whether the Legend Ball was an improvement on the mouse. Tony Horgan found it a godsend on his cluttered desk, while Lisa reckoned it was highly irritating and too inaccurate. All were agreed though, that it's definitely not suited to graphics packages. I mean, have you ever tried drawing with your thumb? Unfortunately, an inconclusive "try before you buy" seems to be the verdict.

Available from: Ladbrook Computing, 33 Ormskirk Road, Preston, Lancs PR1 2QP. Tel: 0772 203166. Price: £29.99.



MONTAGE

AUDIO CD

Record reviews in CU AMIGA? Yes, but there is an excuse. You see Montage is the latest work from the renowned Amiga musician Bjorne Lynne. You may know him as the editor of the popular *AM/FM* disk magazine, or perhaps under his previous pseudonym Dr Awsome, under which he's written countless demo soundtracks for the Crusaders crew.

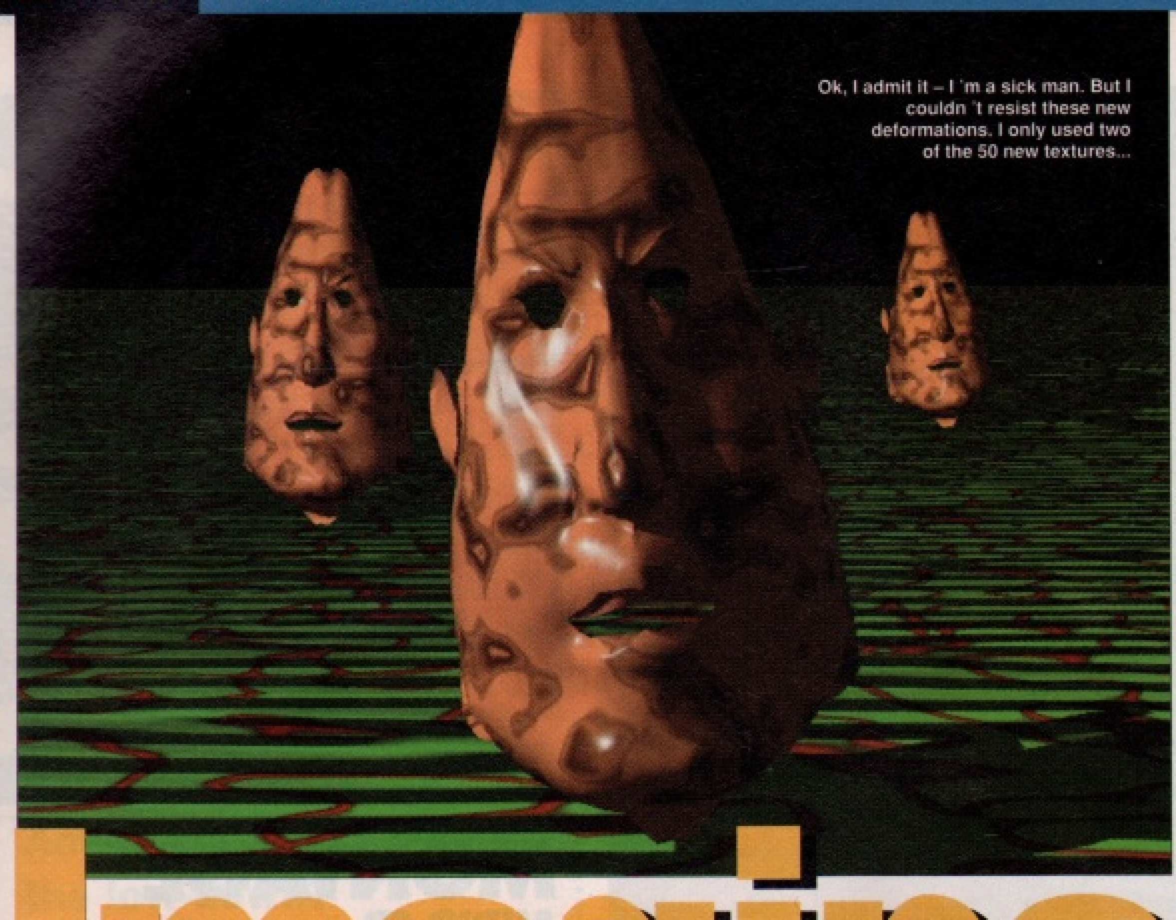
A generous 13 tracks make up the Montage CD, ranging from film-score pieces to dancey numbers. Most of the tracks are instrumental, although there are some robot-style vocals on one of them. There doesn't seem to be any common theme running through this CD, other than the predominance of big ambient noises. Experimental is probably the best description.

All of the tracks were recorded with an extensive MIDI set-up, controlled entirely by Amigas. The production is very clean, due in part to the direct-to-DAT recording. Fans of Lynne's previous work will not be disappointed.

Available from: 17 Bit Software, 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorkshire, WF1 1DH. Tel: 0924 366982. Or, direct from Bjorn Lynne: Schleppegrells Gate 10, 0556 Oslo, Norway. Tel: 010 47 67 549 331. Fax: 010 47 67 595 300. Price: £15 including P+P.

90%

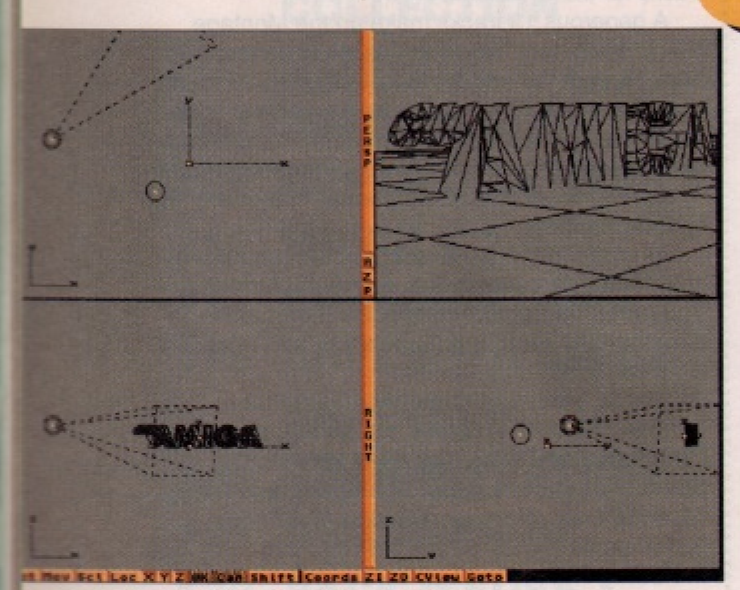




Ok, I admit it – I 'm a sick man. But I couldn 't resist these new deformations. I only used two of the 50 new textures...

While the World awaits the release of *Imagine 3.0*, John Kennedy takes a look at version 2.9, a stop-gap update for registered 2.0 users.

Imagine 2.9



A useful addition is the ability to see where virtual camera is actually pointing. The perspective view in the top-right will update in real time which you move the camera around.

Imagine 3.0 has to be the most sought after piece of 'serious' software on the Amiga. *Imagine 2.0* was (and is) great, but users have been constantly tempted with promises of new features in regular newsletters. Whispers on the electronic nets bounce across the globe: "it 's shipping next month... it's shipping next week... it's shipping tomorrow... the ship's sunk."

This review is based on *Imagine 2.9* which is a 'work in progress' that contains all the parts of 3.0 that are currently working. The upshot is that Impulse have decided to supply anyone who orders a copy of 3.0 with a copy of 2.9 in the interim. Let's see what we think.

FIRST IMPRESSIONS

Okay, so the loading screen is different, but what else is new? At first glance everything in *Imagine 2.9* is the same as *Imagine 2.0*. It has the same quad view (top, side, front and isometric), the same editors. What has changed to merit the *.9* titular addition?

You have to look very closely at *Imagine 2.9* to spot the differences, but they are pretty major and most are conveniently placed in a small menu called 'new stuff' just so you know where to find them.

Probably the most important new addition is the extension of the isometric view window – the display that shows your object in a 3D wireframe representation. It really has been improved beyond comparison, with real time manipulation and Zoom, Angle and Perspective buttons to allow precise movements. Even better, when the camera is moved around, objects are replaced by real time moving bounding boxes, so no more guessing at complicated viewpoints. As well as the usual wireframe, solid and shaded view a 'new mode' allows the object to be manipulated in the virtual 3D world, so at last all the move and rotate tools can be applied in any window.

A NEW EDITOR!

Imagine has always split tasks across different editing screens. Objects are built in the Form and Detail editors, arranged in the Stage editor and then animated in the Action editor.

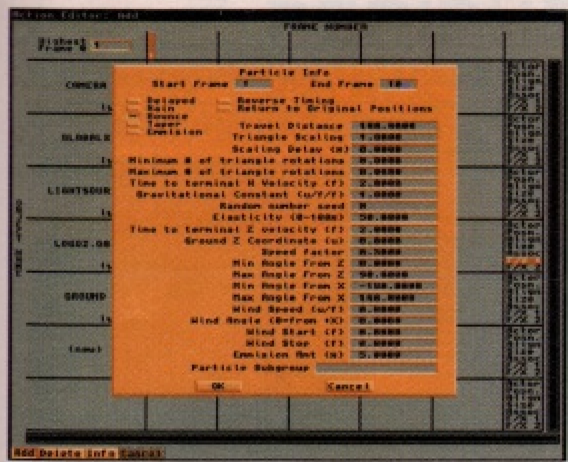
But wait, there is a new screen to know and love – the Spline editor. In the same way the Forms screen is used to make symmetrical objects for tinkering with in the Detail editor, the Spline editor can be used to make curvy shapes. At long last there is even a PostScript font option with dozens of level options: a feature which logo animators have been screaming for. Unfortunately, none of the hundreds of fonts I tried actually worked, and the best I got was a few obscure error messages. Hummph, work in progress I suppose.

There are a few other features which don't quite work: quick render now causes a crash and the AGA support isn't the most comprehensive you 'll see. You can count on these bugs being fixed really soon, but Impulse have had plenty of time to work on them. Perhaps they have been working on other features, such as the weird and wonderful particles.

PARTICLES

Imagine is a funny program. You think you 've seen it all when up pops a feature that you know will result in you spending the next month of your





Here 's one of those features you just know you 're going to love. Particle effects provide scope for some of the weirdest things yet to be animated.

life experimenting. Particles and the particle effects is such a feature.

Have you seen *Deep Space 9*? Seen the bit at the start where a large white glittery rock thing flies past, spewing dust everywhere? *Imagine 2.9* can do that.

Want to animate water coming from a hose pipe? Down a waterfall? How about smoke from a candle? Rain? Wind blown snow? (ugh, don 't talk to me about snow).

This is what *Imagine* particles are all about. They are nothing like the real world physics of *Real 3D* – ie there aren't bowling balls scattering pins, but they are still very clever, and it's going to be some time before the real power behind these menus and requesters are turned into animations, but you can bet it will look good.

MORPHING AND WARPING

A deformation menu is another new addition, which can be used to add a new twist to your objects. Highlight your object in the usual way, and then decide how to twist, shear, taper, pinch, bend or stretch it. The degree of mangling can be controlled by entering numbers, or by selecting one of the new buttons at the bottom of the Detail Editor and wiggling the mouse. Thankfully the Undo feature still works a treat.

Object 'states' are closely related to warping objects. When creating animations it's extremely useful to be able to define keyframes, and then get the software to tween or morph the object between them.

For example, an image of a head talking might require one frame with the mouth fully closed, and another with the mouth fully open. The intervening frames can all be calculated by the computer.

Doing this with *Imagine* was always possible, but the real problems start when brush and texture maps are used. If you map a digitised picture of a face onto the head object and alter the shape of the object, the texture seems to remain static as the object squirms underneath in a most repulsive manner.

Now with the addition of states, the textures can be tacked into place so that when an object gets bigger, the texture stretches to cover it. Clever stuff, and it allows for all sorts of weird and wonderful morphing projects.

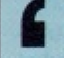
BAD THINGS

It's a pity that some of the old irritations are still present in *Imagine 2.9*. Any backdrop image still has to be the same size as the rendered image, which makes rendering previews and full-screens tedious. Come on, how much work does it take to scale an image? And please, please, Impulse, add a file requester – it can take ages typing in a long path – only to find that you've made a mistake when the rendering process starts. This isn't what Workbench 3.0 was made for.

On the other hand, some real improvements have been made in the palette handling area, although Impulse still haven 't got the hang of directly creating animations. It's plain to see that Impulse still have a lot to do before Imagine can approach the flexibility of *Real 3Dv2*.

CONCLUSION

Imagine 2.9 is good, but far from the finished 3.0. It's not completely fair to say it's only worth the hassle of upgrading if you are sure you have pushed 2.0 as far as you can already, as the new view modes and object deformations will actually make the program easier to use.

However, the biggest single improvement Impulse can make in version 3.0 is a good manual, preferably one that covers all the features in the program in detail. Until that happens, many *Imagine* owners will only be scraping the surface. 



I couldn 't get the PostScript font to work, so I had to use a *DeluxePaint* image, extrude it, bevel it and give it a little deformation. The texture is interesting but bright.

WHAT'S HOT AND WHAT'S NOT

WHAT 'S NEW:
Here's a quick at-a-glance list of some of the new features present in *Imagine 2.9*.
- Real time 3D editor view
- Spline editor
- Fifty new textures
- Particles
- AGA rendering modes
- Deformations
- States
- Particle effects

WHAT'S NOT NEW:
And here are some of the features which have been promised at various stages for Imagine 3.0, but failed to make it into this 2.9 version.
A new 3.0 manual is currently being written, and is supposed to be considerably better than the 2.0 manual.
- Bones
- Kinematics
- Improved anti-aliasing
- New light sources with improved shadows
- Shadow mapping
- Depth of field effects
- Sound

THAT NEW MENU IN FULL

UNHOOK/REHOOK
Controls grouping of objects and their current Imagine state.

DEFORMATIONS
Also known as 'six different ways to destroy a perfectly good object'. In reality, the changes can be as drastic or subtle as you wish.

CONFORMATIONS
Moved from a previous menu. Warps objects so they bend around spheres or cylinders.

PARTICLES
Add particles to an object to permit various sorts of animation and special effects.

APPLIQUE
Use a brush map to deform an object, depending on greyscale colour. Similar to a bump map, but the positions of triangular facets are actually modified.

WAVE
Instantly deform an object with ripple or wave effects.

STATES
Control the 'state' of an object, and lock it with its various brush and texture maps.

CHECK OBJ
Perform an internal check on any objects loaded in. Some previously defined objects may not work perfectly with *Imagine 2.9*.

LATTICIZE
Split an object into its component triangles, adding an edge to each. The easiest way to get scaffolding effects.

$100 upgrade from 2.0

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

IMPULSE INC. 8416 XERXES AVENUE NORTH, MINNEAPOLIS, MINNESOTA, 55444. TEL: 0101612 425 0557

EASE OF USE 70%
Thanks to crippling documentation, Imagine has never been easy to use. The few pages supplied with 2.9 will point out new features to Imagine experts and baffle new-comers

VALUE FOR MONEY 79%
Value for money if you have pushed version 2.0 as far as it can go. Probably better to wait for version 3.0.

EFFECTIVENESS 85%
Getting there. The new editor view is great, but rather than include the features everyone wanted, Impulse have added what they think everyone will want.

FLEXIBILITY 86%
Creating objects is getting easier, although more advanced brush and shadow mapping is needed.

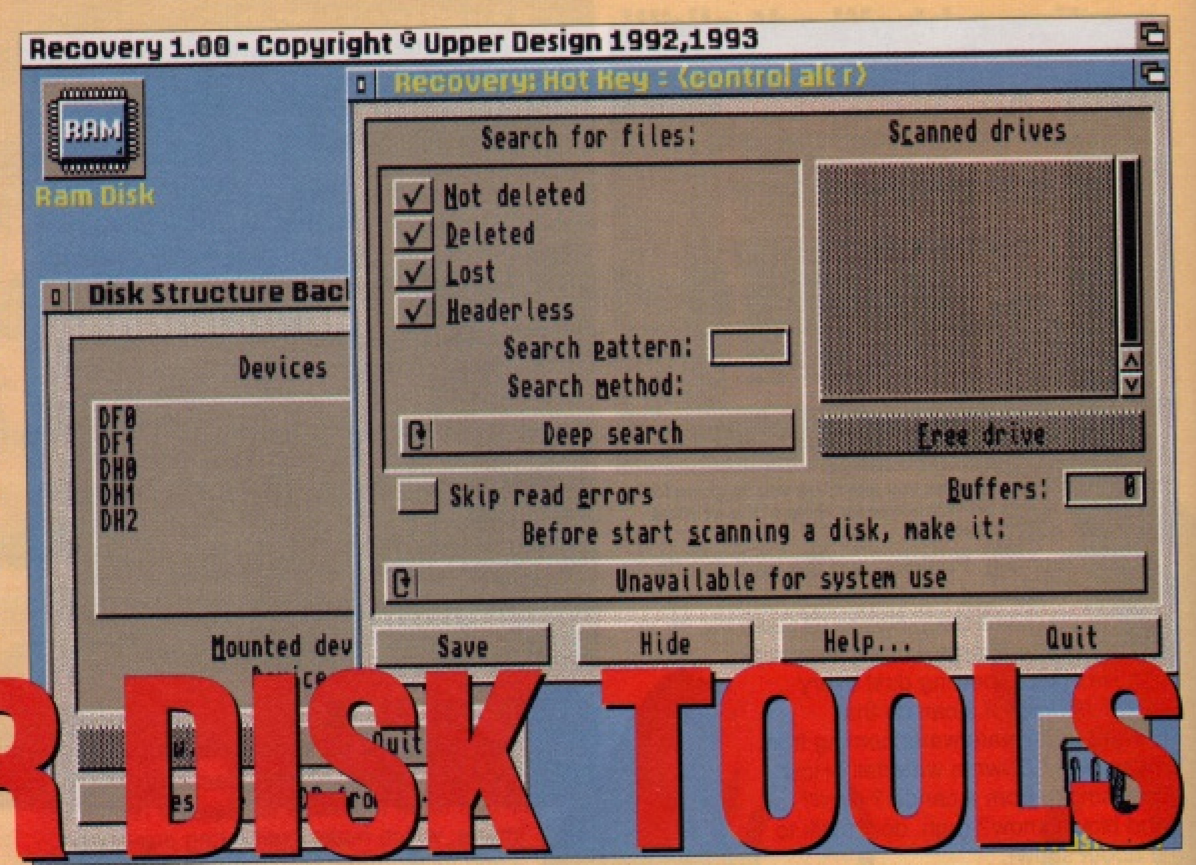
INNOVATION 89%
Some pretty exciting features are starting to make Imagine look like a serious contender for the rendering crown it once held

'It's not Imagine 3.0 but at least it's available.'

OVERALL 82%

Setting up *UDT* is done via a *Workbench 2.0* commodity program that gives you full control over the program's operation.

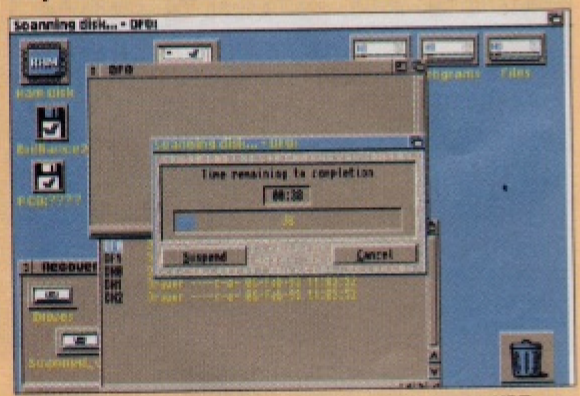
Losing important files on a disk that suddenly decides to kick the bucket can be very frustrating, but need not be fatal. Jason Holborn looks at a program that promises to bring your files back from the dead.



UPPER DISK TOOLS

No storage medium is totally fail-safe and even in these days of CD-ROMs, high density floppy disks and large hard drives, it's still possible for a disk to suddenly crash. When this does happen you can be certain that the disk would have contained files that you desperately needed – be it that vital letter to your solicitor, the musical score that you've been working on for weeks or even your saved game files for *Frontier*.

Recently, I suffered from this problem when my Macintosh hard drive suddenly decided to take a one-way trip to hard drive heaven, taking all my files with it. Unfortunately, I was unable to recover these files but I would have had a much greater chance if they had been stored on an Amiga hard drive and I



Whenever you access a disk through the REC device, *UDT* scans the disk for any available files.

had a copy of *Upper Disk Tools* to hand. *Upper Disk Tools* (*UDT*) is the first in a range of budget utilities which promise high performance without the price. *UDT* claims that if a disk suddenly develops problems, it will attempt to recover any files that it can from the device. If the disk is too far gone then you're in trouble, but, believe it or not, most faulty disks are usually not that bad.

BREAKDOWN RECOVERY

The *UDT* program disk contains two programs: *Recovery* and *DSBackup*. *Recovery* is responsible for handling the task of recovering files from faulty disks and is different from the *DiskDoctor* style utilities that Amiga users have come to love. Instead of running as a self-containing utility, *Recovery* installs an AmigaDOS device called REC that can be accessed from either AmigaDOS, Workbench (the REC device is automatically assigned its own disk icon) or even your favourite directory utility. It provides a sort of back door into any standard AmigaDOS device which is currently mounted. This may seem a strange method of handling disk recovery but it works very well indeed.

Say, for example, the disk in your internal drive was faulty and it contained files that you were unable to extract through normal means. All you'd have to do is double click on the REC disk icon and a window containing two drawers will open, one of which is labelled Drives. Inside this drawer is a further set of drawers, one for each AmigaDOS device (DF0, DH0 etc). To extract the files from DF0 all you have to do is to double click on the DF0 drawer and *UDT* will then scan the disk for any files that it can find. It's intelligent too – even if the file doesn't have a 'header' or has been deleted, *UDT* will still find it (most of the time). Scanning a standard AmigaDOS floppy disk takes about a minute and once it's complete, a directory is created inside the DF0 drawer containing the names of all the files that *UDT* managed to find. If it managed to find the files that you thought you had lost, you can then copy them across to a standard AmigaDOS floppy or hard disk simply by dragging them out of the REC device window and onto the backup disk.

This technique seems to work well – of all the faulty disks I managed to muster, *UDT* rescued the files on every one. In fact one particular disk was so badly corrupted that even the *Workbench DiskDoctor* and the PD program *DiskSalv2* refused to touch it. Not *UDT* though – it happily extracted all the files that I wanted without even so much as a hiccup.

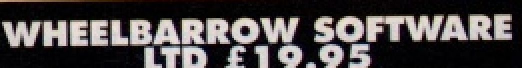
Also on the *UDT* disk is a second utility called *DSBackUp* (Disk Structure Backup) that allows you to backup the RDB (Rigid Disk Block) structure of any disk. This can be very useful if the structure of the disk becomes corrupt (one of the most common problems with AmigaDOS disks), as it will allow you to restore the structure of the disk, therefore giving access to the files on that device. Hard disk users will find this useful as it can save the hassles of having to restore an entire partition from a set of back-up disks.

CONCLUSION

Most products of this type are plagued by the widespread availability of PD alternatives but *UDT* is so powerful that it's unlikely that you'll find a PD program that even comes close. *DiskSalv2* is about the best available, but even it cannot compete with the level of recoverability that *UDT* provides. Combine this impressive level of effectiveness with a price tag that is lower than the average Amiga game and *UDT* seems just too good to be true.

If you value your data then *UDT* is a program that you shouldn't be without. It certainly found a permanent home on my hard disk!

WHEELBARROW SOFTWARE LTD £19.95



WHEELBARROW SOFTWARE LTD, BROAD OAK, TWO TREE HILL, HENLEY-ON-THAMES, OXFORDSHIRE RG9 1RQ.

EASE OF USE 84%
Thanks to its device-based design, UDT is possibly the easiest disk recovery program available.

VALUE FOR MONEY 88%
Twenty pounds for a program that could save you a great deal of heartache is just too good to be true.

EFFECTIVENESS 92%
UDT managed to save the files on every faulty disk I threw at it!

FLEXIBILITY 84%
All filing systems and device types are automatically handled by UDT.

INNOVATION 88%
Disk recovery programs are nothing new, but UDT's method of working certainly is.

"Upper Disk Tools is one of the best and most effective disk recovery programs available."

OVERALL 88%

SEASOFT

The Logical Choice



CENTRAL LICENCEWARE REGISTER
(send sae for complete list)

CLR EDUCATIONAL

ACHORD (£3.50)
Guitar chord tutor
T.A.M.I. (£3.50)
GCSE maths tutor
NIGHT SKY (£3.50)
A must for all stargazers
WORDS & LADDERS (£3.50)
Snakes & ladders spelling game
LETS LEARN (£3.50)
Various progs for 5-7 year olds
ALPHABET TEACH (£3.50)
Great for young kids
FAST FRET (£3.50)
Guitar scales tutor
WORK & PLAY (£3.50)
Spelling made fun
PLAY IT SAFE (£3.50)
Teach kids about safety in the home
BIG TOP FUN (£3.30)
4 circus based games
JIGMANIA (£3.50)
Jigsaw puzzle game/creator
CHESS TEACHER (£3.50)
A beginners guide
SPEED READING (£5.50)
Improve your reading skills
CHORD COACH (£3.50)
Piano chord tutor
C.A.T.T. (£4.50)
Unlock the mysteries of the Tarot
FUN WITH CUBBY (£3.50)
8 Educational games (NOT A500)
PREHISTORIC FUN PACK (£3.50)
4 excellent Dinosaur games
PEG A PICTURE (£3.50)
Just like the childrens game
UNDERSTANDING AMOS (£4.50)
Learn all about "Bobs"
SNAP (£3.50)
Teach kids shapes
MY LITTLE ARTIST (£3.50)
Great programs (Not A500)
BOREALIS JUNIOR (£3.50)
Drawing package for kids.
COMPOSITION (£3.50) and PORTRAITURE (3.50)
Photographic tutorials
AMOS LANGUAGE QUIZ (£3.50)
FUN WITH CUBBY 2 (£3.50)
(NOT A500) 7 great games for kids
SEA SENSE (£3.50)
A seamanship tutorial
ROCKET MATHS (£3.50)
Excellent kids Maths tutor
TELL THE TIME (£3.50)
Teach kids the time

CLR ENCYCLOPEDIAS

The following disk based encyclopedias cover a range of interesting subjects. Using a combination of text, diagrams, drawings & photographs each title is entertaining as well as educational.

DINOSAURS 2 (£4.50)
DINOSAURS 3 (£5.50)
GEOLOGY (£4.50)
SOLAR SYSTEM 1 (£5.50)
SOLAR SYSTEM 2 (£5.50)
FRESHWATER FISHING (£5.50)
ECOLOGY (£5.50)
MESSERSCHMIT BF109 (£4.50)
SPITFIRE (£4.50)
YOUR FIRST PONY (£4.50)
BASIC HUMAN ANATOMY (£3.50)
KINGS AND QUEENS (£4.50)
HOME INVENTIONS (£4.50)
DISCOVERY OF AMERICA (£3.50)
TITANIC (£4.50)

we stock
FRED FISH 1 - 950 +
(Fish Cat Disk £2.00)

CD ROMS

(£1.00 P&P)

MULTIMEDIA TOOL KIT
£19.95
Loads & loads of 24-bit, Ham 8 & Ham pics, color & mono clip art, fonts, modules & samples
CDPD 1, 2 & 3
1 & 2 - £19.95 each
Hundreds of classic Amiga demos
17 BIT COLLECTION
£39.95
An instant P.D. library on this brilliant 2 disk collection
17 BIT COLLECTION 2
£19.95
More 17 bit titles with full indexing facility
NOW THAT'S WHAT I CALL GAMES
VOL 1, 2 & 3
£19.95 EACH
100 PD GAMES ON EACH OF THESE CD32 COMPATIBLE ROMS

OctaMED COMPANION

step by step tutorial for OctaMED V5 users
£15.99
(£1.00 p&p)

OctaMED Pro V5.01

Latest version of this famous 8-channel music editor with new workbench v2.1 files
(Note – requires Kickstart 2.04 or later)
£30.00

TOTAL IRRELEVANCE

Issue 5
of the official MED user Group disk magazine
£2.50

AM/FM

disk magazine for the serious Amiga musician
Issue 17 out now
£2.50
(issues 1 to 16 also available send sae for complete list)

AMFC Pro

Converts files between most trackers and OctaMED & Music-X format
£10.00
(needs Kickstart 2 or later)

TECHNOSOUND SAMPLERS

TURBO - £22.50
TURBO 2 - £35.00
NEW LOW PRICES

AM/FM SAMPLES

17 disks packed with high quality samples
£2.50 per disk
(send sae for complete list)

A-GENE V4.38

Latest version of this classic genealogical database program
£15.00

STARTER PACK

MOUSE MAT
10 BLANK DISKS
100 CAP DISK BOX
AMIGA DUST COVER
(state A500, A600 or A1200)
HEAD CLEANING KIT
£17.50

MEGA MOUSE

400 DPI ULTRA HIGH RES
£14.95

MIDI INTERFACE

with leads
£22.50

PARNET

1.8m lead with P.D. software
£12.50

AMIGA-AMIGA

null modem cable
£6.00

ACC

AMIGA CODERS CLUB
hints, tips, tutorials & source codes for assembly language programmers
£3.50 per issue
(issue 32 now available)

AmiVision Licenceware

FORMULA ONE CHALLENGE V2 - £4.99
Manage your own racing team
POWER BASE V2.2 - £4.99
Powerful database program
POWER PLANNER - £4.99
Personal organiser

ACC

HARDWARE PROGRAMMERS MANUAL
Assembly language tutorial
Disk 1 (PD) - £1.50
Disk 2 to 4 - £12.50

AMIGA PUBLIC DOMAIN & SHAREWARE

PD/SHAREWARE PRICES - PER DISK (No. of disks shown in brackets)
1 disk - £2.00, 2 - 4 disks - £1.50, 5 - 9 disks - £1.25, 10 - 24 disks - £1.00, 25+ disks - £0.90
Unless stated all titles work on A500 (1 meg), A500+, A600 & A1200

UTILITIES

A-BASE (1)
Excellent database program
AMIGA FOX V1 (1)
Desk top publishing program
ASTRO 22 V3 (1)
serious astrology program
ACC 1-4 (1)
best of Issues A.C.C. 1-4
COMMUNICATE V1.2 (1)
Sign language program
EASY CALC (1)
EASY CALC+ (DOS 2) (1)
Excellent spreadsheet
ENGINEERS TOOL KIT (1)
Diagnostic program
FORMS UNLIMITED (1) & 600 BUSINESS LETTERS (1)
Useful business programs
GNU C++ COMPILER (3)
(Need HD) latest version
KICK 1.3 (1)
Run those A500 programs
KICKSTART 2 (1)
emulates Kickstart 2 on A500
MENU MASTER 3 (1)
Create your own menus
MESSY SID 2 (1)
Amiga – PC file convertor
NCOMM V3 (1)
powerful comms package
NORTH C (2)
C-compiler
NUMPAD (1)
adds a numeric keypad to an A600
PC TASK V2 (1)
demo of the best PC emulator
SID 2 (1)
comprehensive directory utility
SUPERVIEWER 2.4 (1)
Slideshow construction kit
TEXT ENGINE V4.1 (1)
Text editor/word processor
VIRUS CHECKER 6.33 (1)
Latest version of the best killer around
V-MORPH V2.3 (1)
Morphing program

MUSIC

MED V3.21 (1)
last version of this classic editor
MIDI CRAFT VOL 1 (1)
demo of Music-X and Midi songs from the Craft brothers
MUSIC ENGINE (1)
Multi format music player
NO SAMPLER VOL 1 (1)
No need for a sampler with this disk - full of useful tips etc.
NO SAMPLER VOL 2 (1)
More rippers etc.
OctaMED V2 (1)
fully functioning 8-channel editor
OCTAMED V5 DEMO (1)
Non-save demo version
PROTRACKER V3.0B (1)
The latest version
TI SAMPLES VOL 1 (1)
Drum Kit - Drum sounds
TI SAMPLES VOL 2 (1)
Drum Kit - More Drum sounds
TI SAMPLES VOL 3 (1)
High quality Bass sounds
TI SAMPLES VOL 4 (1)
Brass and Woodwind sounds
X-BEAT PRO 1.3 (1)
Drum sequencer

OCTAMED 4/5 MODULES

BARNEY - WARTS 'N' ALL (1)
FRIENDS OF PAULA (4)
MAKIN TRAX VOL 1 (1)
MICROCRAFT (4)
OCTAROCK 3D (1)
OCTASTUFF (1)

A1200 ONLY

A1200 INTROS (1)
4 great demo intros
ANDYS WB3 UTILITIES (1)
PP Show 3.0a, WBVerlauf etc.
ASSASSINS FIX DISK (1)
Get all your old programs to run
BIOMECHANOID (1)
Techno music
CYNOSTIC SLIDESHOW (1)
Brilliant AGA slideshow
FERRARI SLIDE SHOW (1)
HOI AGA DEMO 2 (1)
The very first AGA Demo
HOI DEMO 2 (1)
KLONDIKE (3)
Brilliant AGA patience game
K RHODES SLIDESHOW (1)
Fantasy slideshow
MANGA SLIDESHOW (4)
Famous Japanese artwork
MAGIC FACTORY VOL 1 (1)
Star Trek slide show
MAGIC WORKBENCH (1)
Add extra life to your boring Workbench
MIRAGE SUBLIMINAL XTC (2)
Excellent acid demo
MOTOROLA INVADERS (2)
An AGA space invaders game
NIGHTBREED VOL 1 (2)
NIGHTBREED VOL 2 (2)
NIGHTBREED VOL 3 (2)
Excellent AGA pictures
POINT OF SALE (1)
Brilliant demo
SLEEPLESS NIGHTS 3 (1)
useful utilities Icon Master etc
SUPERHAM PICS (6)
Excellent Ham pics
TETRIS/AGA UTILITIES (1)
Classic game and utilities
UCHESS (1)
ultimate chess program (4 megs)
VIEWTEK V1.05 (1)
AGA picture/animation viewer
W.B.3 BACKGROUNDS (1)
Coloured backdrops for workbench
WB3 HACKS (1)
Selection of fun hacks

OTHER

18TH HOLE GOLF (2)
the only PD golf game around
242 FAIRLIGHT (1)
Stunning demo
AGATRON STAR TREK (2)
A must for all trekies
AMOS CRICKET (1)
Simple but fun cricket game
BAIT MASKING (1)
Eric Schwartz demo
CODE MUNGUS V5.1 (1)
Highway Code quiz
D PAINT TUTORIAL (1)
Excellent tutorial
DESERT DREAMS (2)
Mega demo from Kefrens
DONKEY KONG (1)
classic arcade game
GAME TAMER v4.59 (1)
Latest tips and cheats
GUSH (1)
Pipemania style game
HIGH OCTANE (1)
Overhead driving game
JESUS ON E'S (2)
Brilliant rave demo
PUZZWORD (1)
Sliding puzzle game
RAGE ALCHEMY (2)
Excellent demo
REVELATIONS (1)
Excellent slideshow
RETURN TO EARTH (1)
Space trading game
ROAD TO HELL (1)
2 meg overhead racing game
ROBOULDUX (1)
Brilliant Boulderdash game
STAR BASE 13 (2)
Graphic adventure game
TETRIS PRO (1)
Classic game
TOTAL WAR (1)
Excellent Risk style board game

JUST SEND £1.00 FOR OUR DETAILED CATALOGUE DISK

Please add 50p P&P to P.D./Licenceware only (£1.50 Europe, £3.00 rest of World) or £1.00 if your order includes other items (Europe & rest of World at cost)..
Send cheques/postal orders to:

SEASOFT COMPUTING
(Dept CU), The Business Centre, First Floor, 80 Woodlands Avenue, Rustington, West Sussex BN16 3EY
or telephone
(0903) 850378
10.00am to 7.00pm Mon-Fri (to 5pm Sat) Callers by appointment please

Access
VISA

P S D
A MEMBER OF THE PROFESSIONAL STANDARDS FOR DISTRIBUTION

CLR GAMES

TRUCKIN-ON 2 (£4.50)
Run your own trucking Company. (Needs 2 disk drives)
DRAGON TILES (£3.50)
Excellent Shanghi puzzle game
MOTOR DUEL (£3.50)
3D Car racing shoot-em-up
ALL GUNS BLAZING (£3.50)
2 player overhead racing game
PARADOX (£3.50)
Puzzle games
SONIC SMARTIEHEAD (£3.50)
Kids platform game
IMPERIUM (£3.50)
Graphical adventure game
STELLAR ESCAPE (£5.50)
Excellent vertical shoot-em-up
JUNGLE BUNGLE (£3.50)
Excellent Kids adventure game
MARVIN THE MARTIAN (£3.50)
Help Marvin find Daphnie
WHITE RABBITS (£3.50)
Save the rabbit from a fate worse than casserole, great puzzle game
TIME RIFT (£3.50)
Excellent platform game
CAPTAIN K (£3.50)
High quality platform game
CYBERNET (£3.50)
Space shoot em up
OG! (£3.50)
Excellent commercial quality platform game. A must for any games collection
QUINGO (£3.50)
Pub quiz machine simulator
CRYSTAL MAZE (£3.50)
Pacman style game
F1 RACER (£3.50)
Racing game
PIC IT (£4.50)
'Catchphrase' trivia game

CLR UTILITIES

VIDEO TITLER (£3.50)
Professional touch to your videos
TYPING TUTOR (£3.50)
Complete course and speed tests
ALPHA GRAPH (£3.50)
Comprehensive graphing program
PLAY N RAVE (£4.50)
Music module linker/player
POWER TEXT 2 (£3.50)
Excellent word processor
POWER ACCOUNTS (£3.50)
Keep track of your bank account
CALC V1.3 (£3.50)
Powerful spreadsheet
STOCK CONTROLLER (£3.50)
Keep track of your stock
EPOCH V1 (£3.50)
Powerful calendar system
X-STITCH MASTER LITE (£3.50)
Produce cross stitch charts
HARD DRIVE MENU (£3.50)
A must for Hard Drive owners
INVOICE MASTER (£3.50)
Create your own invoices
CREATIVE ADVENTURE TOOLKIT (£3.50) (not A500)
Text adventure game creator
FLOW CHARTER (£3.50)
Create flowcharts

ASSASSINS GAMES 1 - 155 +
latest titles always available
send sae for complete list

ACCESSORIES

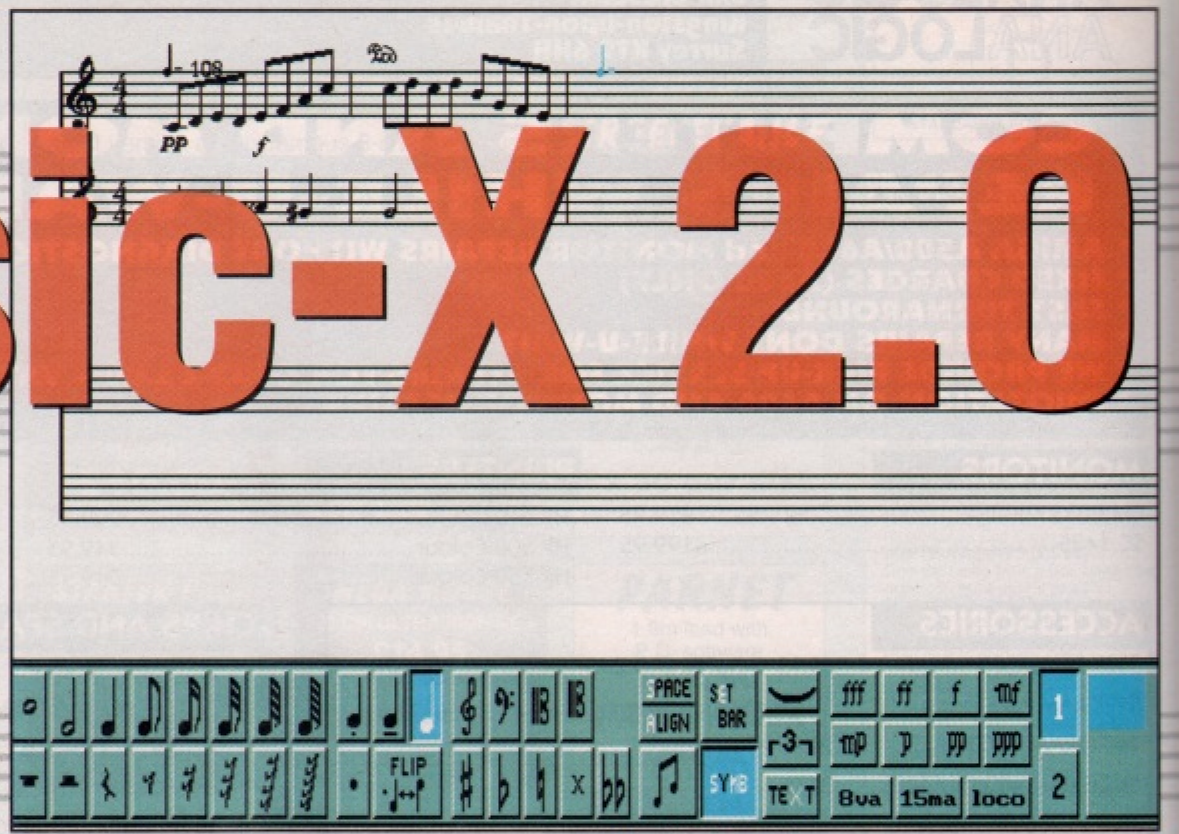
(£1.00 P&P)

PYTHON JOYSTICK- £9.99
ZIPSTICK JOYSTICK- £12.99
MOUSE MAT - £2.99
MOUSE HOLDER - £2.50
HEAD CLEANING KIT - £2.99
MONITOR COVER - £4.99
A500 DUST COVER - £2.99
A600 DUST COVER - £2.99
A1200 DUST COVER - £3.99
PRINTER STAND - £4.99
PRINTER LEAD (1.8m) - £3.99
PRINTER LEAD (5m) - £6.99
4 PLAYER ADAPTOR - £5.99
JS EXTENDER - £4.99
M/J SWITCH MANUAL - £9.99
M/J SWITCH AUTO - £12.50
100 DISK LABELS - £1.50
500 DISK LABELS - £6.00
1000 DISK LABELS - £10.00
1000 T.FEED LABELS - £12.50

DISK BOXES
10 cap - £1.25
(5 FOR £5.00)
40 cap - £4.50
100 cap - £5.99

BLANK DISKS
3.5" HIGH QUALITY DISKS WITH LABELS
(DS/DD - AMIGA etc)
10 - £5.00
50 - £22.50
100 - £42.50
(DS/HD - PC etc)
10 - £7.00
50 - £32.50
100 - £60.00

Music-X 2.0



The major new feature of Music-X 2.0 is a comprehensive traditional notation package called Notator-X.

At long last, the eagerly awaited follow up to one of the Amiga's most enduring and popular music programs is with us. Mat Broomfield doh-ray-me's his way through *Music-X 2.0*.

Music-X 1.0 was released to universal acclaim back in the latter part of 1989. It was the first music sequencer written specifically to take advantage of all of the Amiga's unique abilities. Unfortunately, that version was heavily bugged, and it was 1990 before the more stable version 1.1 hit the streets.

Initially retailing for £199, the program sold in droves, and remarkably, is still selling several hundred copies a week even now. If you look around, you should have no trouble finding a version for £30 or less.

Although it is extremely good, the one thing that the program lacked, was an easy way of entering tunes for those people who don't play an instrument, or who may want to orchestrate or transcribe sheet music.

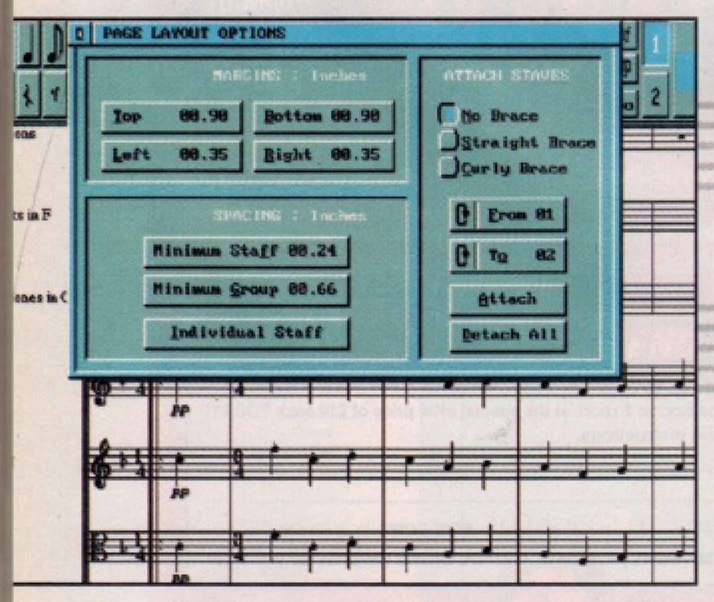
Music-X 2.0 solves that problem in one elegant and delightful stroke. In fact, I would even go so far as to say, that the program's main raison d'etre, is to provide *Music-X* owners with a good notation package.
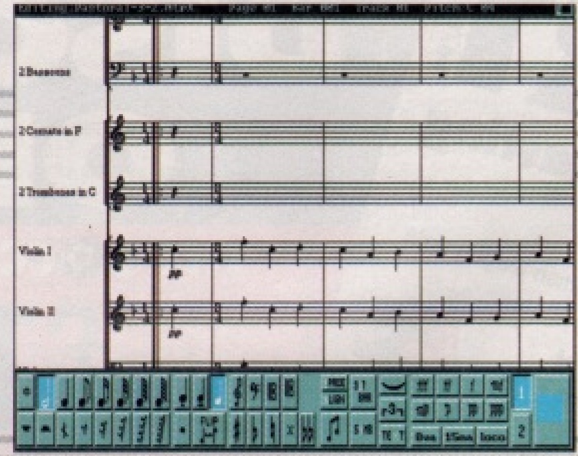
The new package is in fact, not one, but two programs; *Music-X* and the new addition, *Notator-X*. So far as I can see, the *Music-X* part of the equation is identical to the original 1.1 version except for one minor change which allows it to communicate with *Notator-X*. For that reason, I'll leave the music X part until laterbecause I'm just dying to tell you all about *Notator-X*!

As I've already mentioned, *Notator-X* is designed to accept music scored in traditional notation. In other words, quavers and minims, bars and clefs, triplets and ties: the sort of thing that most professional musicians, be they computer, rock or orchestral, use.

At first glance, the screen does not appear to be very busy, and you could easily be forgiven for thinking that the program was closely related to Dr T's Copyist, one of the least friendly but most powerful notation programs in the world. In fact, in some respects there is a definite relationship, but more about that later.

Because the program prints as good as it looks, it comes with a comprehensive set of page layout options.





Although it serves a purely aesthetic function, you can group staves using straight or curly brackets.

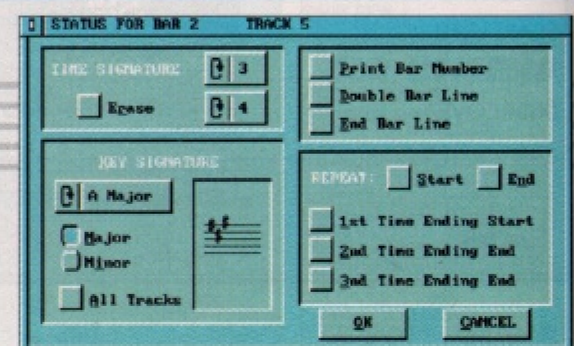
POWER STAVES

Before you start entering music, you'll probably want to set up the number of staves, as well as defining their clefs and the instruments that will be assigned to them.

This program supports up to 18 staves and 36 tracks. If you want to use more than 18 tracks, then you'll simply have to double up on one of the staves. Although this is a nuisance when it happens, it's really only the liveliest orchestral scores that need more than 18 separate parts in piece.

Once you've specified the number of staves, you can assign specific MIDI channels and names to them. If you're using the program purely for its printed output, this step is redundant, but if you plan to perform the score via *Music-X* then it's invaluable. Incidentally, *Notator-X* is capable of saving scores in standard MIDI format too, so you can even import them into programs like *Bars & Pipes* or *Sequencer 1*.

There's one final aesthetic duty that you can perform upon your staves before you assign them their individual clefs – and that's to group them. This is sometimes done to indicate instrumental groupings, especially when there are separate parts for more than one of the same instrument. The program supports straight and curly braces (although they can't be nested with, say a three staff straight brace inside a seven staff curly one).



The bar settings can be changed with every bar, and the clef and key signatures can even be altered midway through a bar. It's just a pity that the same time signature has to be used for all the instruments in a bar.

FRIENDLY BAR SET UP

Now that you've set up the overall appearance of the score, it's time to set the characteristics of the individual bars and staffs. The Set Bar requester lets you define time signatures, key signatures, bar lines and numbers and repeats and endings. Strangely, given the program's flexibility, it's not possible to specify a time signature which is unique to a single staff, which means that all parts must be notated to the same signature.

Fortunately the same is not true of the key signature which may be specified in a major or minor key, and can be altered at any time, even mid-way

This program gives you more notation primitives than any other Amiga music package, except the ultra-expensive *Copyist Professional.*

through a bar (as can the clef – ahh bliss!). Now at last, you can enter some notes!

The program's authors, Desert Software, have tried hard to make the program as friendly to use as possible, with mouse and keyboard shortcuts at every turn. The trouble is, with these sort of programs, user-friendliness is such a personal thing, and what's good for one person, may be less attractive to another. They have tried to reach some sort of a compromise by making *Notator-X* as user-configurable as possible and, although they've succeeded in some cases, in others they've failed.

Anyway, down to specifics. You're initially greeted by two empty staves, each of them two screens wide. The staves are assigned a treble clef and a 4/4 time signature. Apart from that,

ENTER SYMBOLS
Crescendo
Decrescendo
Arpeggio Up
Arpeggio Down
Slur Up
Slur Down
Cancel

ENTER SYMBOLS
Pedal On
Pedal On with line
Pedal Off
Tempo
Fermata
Accent
Trill
Cancel

The contents of the Symbol menu are context sensitive. In other words, the choice of symbols available to you changes according to whether or not notes are selected.

a rather unresponsive blue crotchet cursor sits staring at you from the upper of the staves. This cursor denotes exactly where all musical and notational events will be entered (except when the events apply to groups of notes).

NOTATION

At the bottom of the screen is the icon palette containing every possible event that you can notate. At the left-hand end are the notes, ranging from a semi-breve (whole note) to a one hundred and twenty eighth note (a stick with five tails!). The corresponding rests are also included. Naturally, dotted notes are also supported, although sadly, double dots are not. To make up for that the program does support an infinite number of tuplets. Click on the Tuplet icon and a requester will appear asking exactly what duration you want the notes to occupy. For example, three notes in the time of two, or seven in the time of six.

Once you've chosen these notes, you can specify how they will be played (staccato, tenuto and normal) via the articulation icons. If these aren't enough, you can add additional note expression using the contents of the Symbols menu. These include pedal on, fermata, accents and more. If these terms seem like double Dutch to you, don't worry, they simply define the duration (gate) and playing style of a note, so an accented note would be played more aggressively (with more attack) than a non-accented one, for example.

Of course, it will come as no surprise to learn that *Notator-X* supports the standard accidental modifiers (sharp, flat and natural). What will come as a pleasant surprise, is the fact that it also recognises double sharps and flats – to my knowledge the only Amiga program to do so. In fact, the program can claim a lot of Amiga firsts and it's very exciting because of this.

Notator X t really is a musician's music program, designed by somebody who's intimately acquainted both with scored music, and the shortfalls of existing programs.

But hey, I'm getting ahead of myself again.

JARGON BOX

EVENT: Sequencer information is ordered as a linear stream of data which tells an instrument or the Amiga how to perform a piece of music. Any single instruction is known as an event.

GATE: The actual duration of a note (as opposed to its scored duration). Articulation affects the gate of a note.

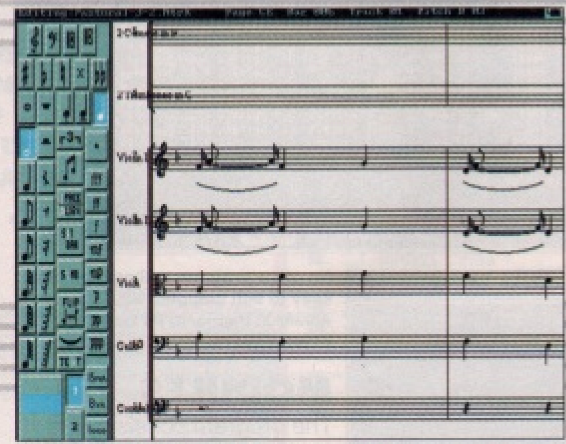
MIDI: Musical Instrument Digital Interface. The acronym for a standard communications protocol between instruments and computers which allows them to 'speak' to each other.

PIANO-ROLL: A way of notating music that was first used on cardboard pianola scores. Notes are represented by small rectangles. The longer the rectangle, the longer the duration of the note. The higher the rectangle is on the piano roll, the higher its pitch. Its horizontal position denotes when it will actually play.

REAL-TIME: The process of performing an action (in this case recording a tune) 'on-the-fly' so that the finished music will replayed with exactly the same timing as you played the original.

SEQUENCER: A program which is used to record, combine and edit sequences of music, played in real-time on a MIDI-compatible instrument.

STAFF/STAVE: The set of five lines on which musical notes are written.



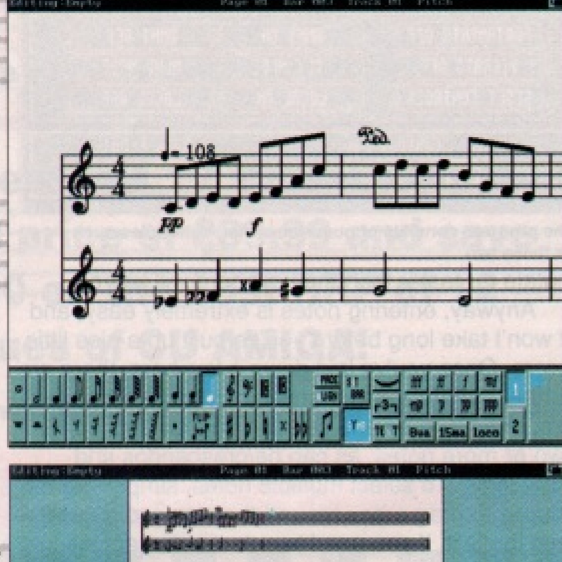
The program handles slurs very well. In fact it even lets you redefine the shape of each one using bezier handles.

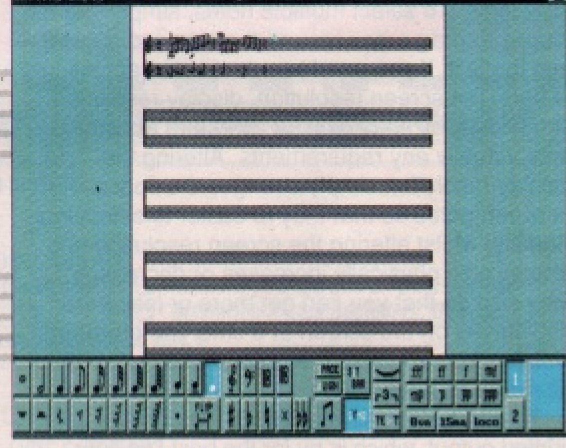
ENTERING NOTES

When you've selected a musical event, pressing the return key will place it on the current stave at the cursor location. Once the event has been placed, the cursor remains exactly where it is, which can lead to momentary confusion as to whether or not you placed the event at all. This is not helped by the fact that it's possible to place the same note twice in the same location, which sees somewhat silly.

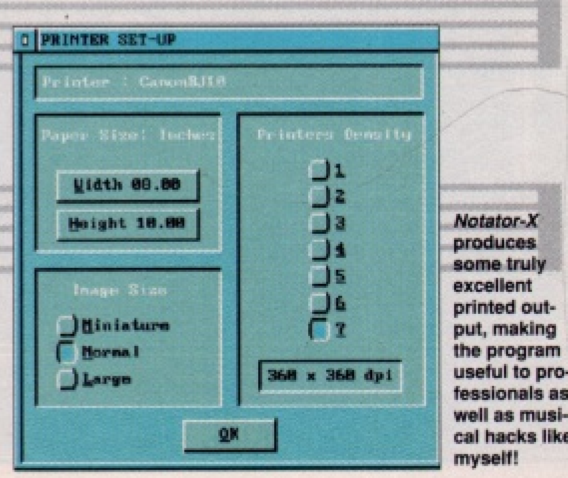
To move onto the next location, you'll need to manually move the cursor with the mouse or keyboard. By default, the cursor will then naturally move to the next available spot in the staff. Here's where the program starts to resemble *Copyist*, or even Sonix for it will not let you move the cursor ahead to a bar, say six bars hence, until you've filled the intervening space with notes or rests. This is a real pig because it forces you to work in a

You can alter numerous parameters which will affect the size and spacing of the on-screen image, etc ensuring that editing is as friendly as possible. If only the screen would auto-scroll to follow the edit cursor instead of having to be manually moved!





totally linear fashion which can be a bit stifling to one's creativity. It's initially far easier to use the program by keyboard, because the controls are intuitive and easy to use. However, although I've not yet become comfortable with the mouse controls, they do offer total control, allowing you to »



Notator-X produces some truly excellent printed output, making the program useful to professionals as well as musical hacks like myself!

IT'S IN THE LINKS

Music-X 2.0 is not so much a new program, as an addition to the existing one. This is good because the original program's easy-to-use interface is what made it so popular in the first place.

Version 2.0 gives you a whole new program called *Notator-X* which you can use for entering your scores. The clever thing is the way that the two programs work together.

Either of them can be loaded and used as a stand-alone program. So if you're in the mood for a little sequencing, just load *Music-X*, whereas if it's a bit of orchestration that tickles your fancy, you only need to boot *Notator-X*. However, and this is the really good bit, if you want to try out the results of your work as you go, you can load both programs together and flip between the two. Each of them contains an option to copy data from the other, so it's a simple matter to notate a little ditty you've just played, and an equally easy matter to sequence some sheet music that you may have entered.



The program consists of numerous related modules such as these two.

notate far faster than the keyboard will let you.

Anyway, entering notes is extremely easy, and it won't take long before you've built up a nice little score. Once you've laid down a few bars, there are further modifications that you can make. For example, beams, slurs and ties can only be applied to two or more notes, as can de/crescendos and arpeggios. To select multiple notes, simply use the mouse to drag a box around the required notes and that's it. If you need to select notes across lots of bars, the screen resolution, display resolution and display sizes can all be altered to accommodate virtually any requirements. Altering the display resolution simply changes the space between notes so that they're easier to select individually, whilst altering the screen resolution and display size physically increases or decreases their size so that you can get more or less bars and staves on the screen at a time. The program also lets you add text to a score, which is handled as slickly as everything else.

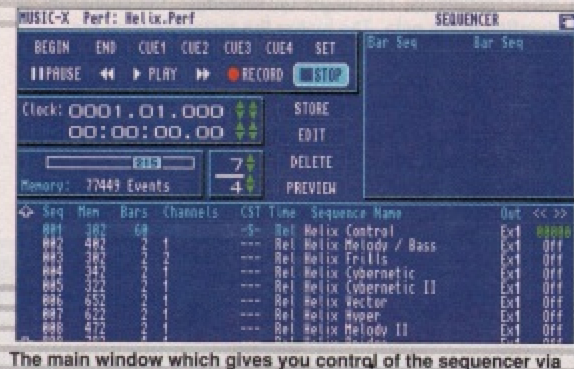
Finally, before I finish, I must mention *Notator*s printed output, which is by far the best I've ever seen on a sequencer. Not only that, but it's very easy to set-up, and forces you to endure none of the mucking about associated with other, somewhat bug-ridden programs.

***Music-X* is one of the few sequencers specifically designed to handle samples as well as it handles MIDI instruments.**

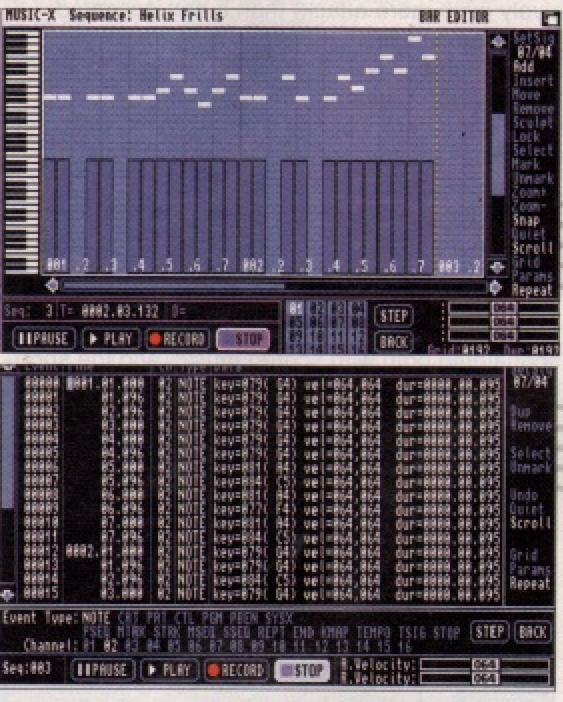
AND MUSIC-X?

Much as I'd love to keep on talking about *Notator-X*, it would be remiss of me to review the package without saying something about the less glamorous part of the partnership; *Music-X*.

As I mentioned before, this part of the program is essentially unchanged from the version that was released in 1990. Apart from the rather unpleasant on-screen colours, that's not a bad thing because the program was in many ways, a model of innovation and user-friendliness. If only the same could be said for the manual which, frankly, although grammatically sound enough, does not help the novice to learn the program. It seems to be all reference and virtually no tutorial; unfortunately this is an an essential requirement for a program of such complexity.



The main window which gives you control of the sequencer via easy to use tape style controls.



No other program makes it quite as easy to edit complex MIDI events as *Music-X*, thanks to its Bar and Event Editors.

MODULES

The program consists of nine inter-related editors and control modules which between them allow you to operate the program. Although designed as a sequencer, the program will let you use IFF samples as well. In fact, it'll even let you load up to 64 of them at a time!

The program's main screen is the sequencer window, from where you can record your tunes in real-time. The top left of the screen is occupied by tape-style controls which allow you to specify where in a recorded sequence, additional recording or playback will commence. Recorded sequences are initially stored in a temporary buffer, and it's only once you've confirm that you want to save them that they are added to the sequence list at the bottom of the screen. This list has room for up to 250 sequences, so there's more than enough for even the most demanding users, especially as sequences can be merged together to give more space.

When you've created a sequence, you can modify the various events individually or collectively via the Bar Editor. For me, this is the most powerful section of the program because it makes complex MIDI operations extremely easy: far more so than any other MIDI program I've ever used.



You can use the Keymap Editor to define complex MIDI events, ranging from a single musical note, to an entire MIDI control sequence, perhaps even one which changes the current keymap or operates non-musical MIDI equipment such as lights or effects machines.

Musical notes are displayed as bars on a piano-roll grid. They move from left to right with time, and top to bottom with pitch. In other words the lower a bar is, the lower its pitch, whilst the further to the right it is, the later in a song it will be played.

It's not just notes that can be showed on this editing screen though; every type of MIDI event can be displayed and edited too. The start and end velocities of every note can be displayed as blocks whose height denotes their amplitude. Program numbers (instrument changes) are shown as small numbered blocks. By dragging them up and down the piano roll, the instrument numbers are changed. Better still, even complex and system exclusive events such as modulation, pitch bends and aftertouch can be added and edited with the same ease.

If this graphical approach is not to your liking, you can always switch from the Bar Editor to the Event Editor. This contains the entire song in list format, with each event described textually – ideal for users of Soundtracker-style programs!

Music-X also includes a comprehensive Keymap Editor which lets you assign different events or sequences to every key of a MIDI keyboard. This means that you could, for example, assign a zone on your keyboard to automatically execute prerecorded performances, a feature you will need if you want to use the program in a live commercial environment.

Even in its current state (I looked at a pre-release version), *Music X 2.0* looks immensely promising and I simply can't wait to use the finished product.

For more information call the Software Business on 0480 496 497 or watch out for the full review, coming soon, in CU AMIGA.

CU AMIGA

SUBSCRIBE TO CU AMIGA NOW
& RECEIVE A BRUCE SMITH BOOK WORTH UP TO £21.95!

CU AMIGA is *the* magazine for comprehensive coverage of software and hardware for the A500, A500+, A600, A1200 and CD32. Your subscription guarantees you the latest news and honest reviews, in-depth features and tutorials plus the best coverdisk software, utilities and game demos available... allowing you to sort out what's best from the rest.

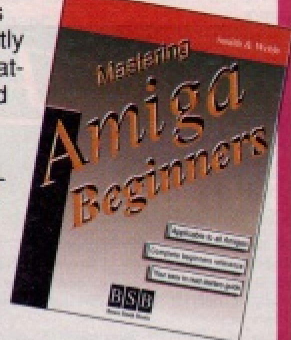
SUBSCRIBE NOW!

- **Guarantee your personal copy of CU AMIGA with previews, reviews, advice and the best cover disks.**
- **Get the next 12 issues of CU AMIGA delivered to your door at no extra cost and before it's available in the shops!**
- **Choose from one of these fantastic offers:**

Bruce Smith Books Subscription offer only £49.99!

Receive either *Mastering Amiga Beginners* or *Mastering AmigaDos 3 Tutorial* from top Amiga Book publishers, Bruce Smith Books.

MASTERING AMIGA BEGINNERS

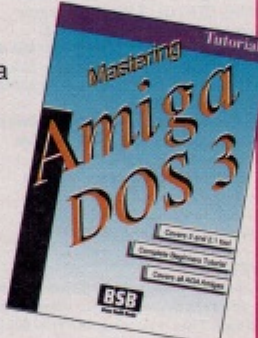


The ideal introduction to computing with your Amiga. You'll find the step-by-step explanations easy to understand and you'll soon be confidently carrying out essential procedures such as formatting disks, copying files, setting preferences and working from a shell window.

From word processing to programming, including paint programs, database and spreadsheets, the second part of this book introduces you to the wider world of Amiga computing. It explains what you can do and how to go about choosing software and hardware for you requirements. Take control of your Amiga. The subjects covered in this book include:

WORKBENCH FAMILIARITY, PREFERENCES, UTILITIES AND TOOLS, BEGINNER'S AMIGADOS, GETTING YOUR PRINTER TO WORK, FONTS, GRAPHICS, DESKTOP VIDEO, COMMS, MUSIC & SOUND, UPGRADING, PUBLIC DOMAIN, PCS, VIRUSES, INTRODUCTION TO PROGRAMMING RRP £19.95

MASTERING AMIGADOS 3 TUTORIAL



Mastering *AmigaDOS 3 Tutorial* is the complete introduction to AmigaDOS; designed to help the beginner become the expert. Chapter summaries and a Workbench/AmigaDOS primer are among a number of new features designed to make this subject accessible to the novice user.

From formatting a disk to writing scripts, using pipes and multi-tasking, over 400 pages spans every aspect of the Amiga's operation. This book is packed with useful DOS one-lines and programs. The current version is completely updated for DOS 3.0 on the Amiga A1200 and 4000. RRP £21.95

TO ORDER, SIMPLY COMPLETE THE FORM PROVIDED, ENCLOSE PAYMENT IF APPLICABLE, AND SEND TO: TOWER PUBLISHING, TOWER HOUSE, LATHKILL ST, MARKET HARBOROUGH, LEICS. LE16 9EF. ALTERNATIVELY CALL OUR CREDIT CARD HOTLINE ON 0858 468888 QUOTING APPROPRIATE SOURCE CODE AND OFFER CODE.

Alternatively, get 12 issues for the discounted price of £39.99 and save over £7.00 on the cost RRP of 12 issues of CU AMIGA!

IMPORTANT. Bruce Smith Books offer and discounted offer available to UK residents only.

CU AMIGA SUBSCRIPTION ORDER FORM

Please tick as appropriate:
RATES - 12 issues including postage.

U.K ONLY:
❑ £39.99 12 issues only. Offer code A1A
❑ £49.99 Please send me (tick 1 box): ❑ *Mastering Amiga Dos 3.* Offer code 1B
❑ *Mastering Amiga Beginners.* Offer code A1C
(Above offers only available to UK residents only.)

EUROPE/ROW:
❑ £60.00 SURFACE ROW. ❑ £66.00 EUROPE / EIRE AIRMAIL
❑ £96.50 ROW ZONE 1 & ZONE 2 AIRMAIL

METHOD OF PAYMENT:
❑ Cheque / Postal Order / International Money Order made payable to EMAP IMAGES LTD.
❑ Access / Visa ________________
expiry date __/__ (Mastercard, Diners Club, Amex, American Express also accepted)

Name:..

Address:..

....

....

.... Postcode:..................... Telephone:.....................

Send this form to : Tower Publishing, Tower House, Sovereign Park, Lathkill St, Market Harborough, LE16 9EF. Please allow 28 days from receipt of order for delivery. Your subscription should start from the next available issue unless otherwise specified. Bruce Smith Book offer subject to availability.

❑ Tick here if you do not wish to receive any direct mail that EMAP Images Ltd. feels may be of interest to you.

GASTEINER

126 Fore Street, Upper Edmonton, London N18 2AX

Tel: 081-345 6000 Fax: 081-345 6868

RAM

A 4000 (32 BIT RAM)

1MB	£49.95
2MB	£69.95
4MB	£149.95

A1200 Ram with clock upgrade-able FAST RAM board to 1,2,4 or 8mb with optional floating point unit

1MB no fpu	£89
2MB no fpu	£115
4MB no fpu	£179
8MB no fpu	£359

SPU for above (also for A4000)

20MHZ	£35
33MHZ	£79
40MHZ	£114
50 MHZ	£154

A600 RAM

1MB no clock	£23.95
1MB with clock	£39.95

A500 RAM

1/2 MB no clock	£14.95
1/2 with clock	£24.95

A500+ RAM

A500+1MB	£23.95

Simms RAM for GVP Hardrives

1 MB 32 bit	£29.95
4MB 32 bit	£149.95

Simms RAM for GVP (A1230)

1 MB 64 pin	£49.95
4 MB 64 pin	£179.95

PCMCIA CARDS

2MB	£109
4MB	£169

HARD DRIVES

Amiga A500 + A500plus

IDE controller for A500 and A500+ with 8MB RAM option for standard 2.5' or 3.5" P.C.compatible hard drives

Controller only	£89
65MB with controller	£209
85MB with controller	£249
120MB with controller	£279
200MB with controller	£299
250MB with controller	£319
340MB with controller	£339
420MB with controller	£369
540MB with controller	£399

ALFADATA PRODUCTS

Hard drive for A1500, A2000, A3000 and A4000 (Spec as above)

Controller only	£89
65MB with controller	£209
85MB with controller	£249
120MB with controller	£279
200MB with controller	£299
250MB with controller	£319
340MB with controller	£339
420MB with controller	£369
540MB with controller	£399

New Oktagon 4008 SCSI-2 controller with up to 8MB upgrade-able for A1500, A2000, A3000+ now A4000

Controller only	£99
170MB with controller	£299
340MB	£349
540MB	£549
1.2 G-Byte	£899
2.0 G-Byte	£1599
4.0 G-Byte	£2499

COMPUTERS

Amiga A4000/040 + Hard drive

85MB 2+4RAM	£1895
120MB 2+4RAM	£1919
200MB 2+4RAM	£1939
250MB 2+4RAM	£1979
340MB 2+4RAM	£2069
420MB 2+4RAM	£2149
540MB 2+4RAM	£2299

Amiga A4000/030+ Hard drive

85MB 1+1RAM	£899
130MB 1+1RAM	£969
200MB 1+1RAM	£999
250MB 1+1RAM	£1039
340MB 1+1RAM	£1099
426MB 1+1RAM	£1199
540MB 1+1RAM	£1299

Amiga A1200 Computers

A1200	£285
A1200 + 40MB	£385
A1200 + 65MB	£440
A1200 + 85MB	£465
A1200 + 127MB	£490
A1200 + 209MB	£540

Desktop Dynamite pack for above please add £40

Amiga CD32 Console CD32 with four Games £289

MONITORS

Commodore 1942	£339
Commodore 1940	£289
Commodore 1085	£199
Microvitec Multisync	£389
SVGA Monitor	£199

PRINTERS

Hewlett Packard

HP 310	£239
HP 510	£260
HP 500 Colour	£299
HP 550 Colour	£479
HP 1200 Colour	£1399
HP 4 Laser Printer	3599

Citizen

Swift 90 Colour	£159
Swift 200 Colour	£200
Swift 240 Colour	£249
ProJet II	£250

Seikosha

SP 1900	£124.99
SP 2400	£154
SL 90	£154
SL 95	£295

Star

LC 20	£129
LC 100 Colour	£149
LC 200	£199
LC 24-30 Colour	£229
LC 24-300	£299
SJ 48 BubbleJet	£205

Fargo

Primera Printer	£819

DISK DRIVES

Amitek 3.5"	£58
Power 3.5"	£53
Cumana 3.5"	£58

PICASSO II

1MB version	£289
2MB version	£325

HARD DRIVES

2.5" Internal Hard drives for A600 and A1200

40MB	£119
65MB	£139
85MB	£149
120MB	£209
170MB	£269
209MB	£329

All with 2.5' IDE Cables



TANDEM CD-ROM CONTROLLER FOR A1500 A2000 A3000 AND A40000

- Supports Mitsumi Lu005 or FX 0011D CD Rom Drive
- Includes "PlayCD" utility for audio operation
- Complete online documentation
- Compatible with workbench3.1 cd file System Babel CDFS ASIM CD-ROM filesystem and single photo CDs
- Supports most IDE hard drives

TANDEM	£69
TANDEM + CD ROM	£269

CDTV ADD ON

FOR A500 or A500+

A570	£99

MULTIFACE CARD 3

Multi I/O card for Amiga A1500 A2000 A3000 or A4000 2 additional serial ports and 1 parallel port £99

SCANNER

ALFADATA 256 Greyscale Scanners for A500 A500+ A600 A1200 A1500 A2000 A3000 new A4000

AD 105 with Touch up and merge it software	£119.95
AD105+ with Touch up and merge it and OCR Software	£169

(AD105+ require 2MB RAM ad hard drive)

ALFA COLOUR

256K 18 bit colour scanner for all Amiga system AD 105C	£339
MIGRAPH COLOUR BURST 262144 colour scanner with OCR	£389

POWER SCANNERS

Power Scanner 4 (mono)	£119
Power Scanner 4 (colour)	£239
Power Scanner 4 + OCR	£159
Power Scanner 3	£99

EPSON

Epson GT6500 power scan	£699
Epson GT6500 ASDG	£789
Epson GT8000 power scan	£1199
Epson GT8000 ASDG	£1298

GVP ACCELERATORS

40MHZ A1230/OMB RAM FOR A1200	£235
40MHZ A1230/4MB RAM FOR A1200	£349
50MHZ A1230 II 40MB RAM FOR A1200	£369
50MHZ A1230 II 4MB RAM FOR A1200	£569
SCSI Module	£79

MICE AND TRACKBALL

ALFADATA 290 DPI mouse	£9.99
ALFADATA 400 DPI mouse	£13.95
ALFADATA optical mouse	£29.99
ALFADATA optical Pen mouse	£34.95
ALFADATA crystal trackball	£29.95
GASTEINER 400 DPI mouse	£14.95
Low Cost Mouse	£8

ACCESSORIES

Dust Covers	£6
Disk Boxes from	£5
Monitor Stand	£10
Real Time Clock A1200	£15
Scart Cables	£10
Printer Cables	£5
Modem Cables	£8
Null Cables	£8
SCSI Cables	£8
2.5" IDE Cable	£10
2.5" to 3.5" Cable	£15
Auto mouse/Joystick Switch	£12.99
Philips 8833 II Cable	£10
Branded disc (10)	£5
3.5" internal drive for Amiga A500	£49
3.5" internal drive for A600	£79

POWER SUPPLY

A500 - A1200 PSU	£34.95
A2000	£79.95

NEW NEW NEW SPECIAL OFFER

Disk Expander for HD and floppies	**£35**
GIGA MEM Virtual memory for all Amigas with MMU	**£39.99**

Repair Service

New service centre for most Amiga computers. We offer a quotation service of £10 for which we will examine your computer and report back with an exact quotation price for the repair. If the repair is carried out the £10 is then deducted from your bill.

How to order

When ordering by telephone please quote your credit card number followed by the expiry date and also your full name and address. If paying by cheque please make it payable to Gasteiner Technology. In any correspondence please quote a phone number and also a postal code, please allow five working days for cheque clearance.



Delivery Charges

Small consumables and software items under the value of £59 please add £3.50 P&P. Other items except lasers, next day courier service £10 per box. Offshore and Highlands, please call for a quotation. In addition we offer the the following express services: Saturday Delivery normal rate plus £15 per box, Morning, next day normal rate plus £10 per box. E & OE prices subject to change without prior notice. All trademarks acknowledged

ADVANCED AMIGA ANALYZER

The Amiga is a complicated beast and when it starts playing up, it can be a real headache to locate the source of the problem. But not if you own the *Advanced Amiga Analyzer*. Mat Broomfield goes into analysis mode.

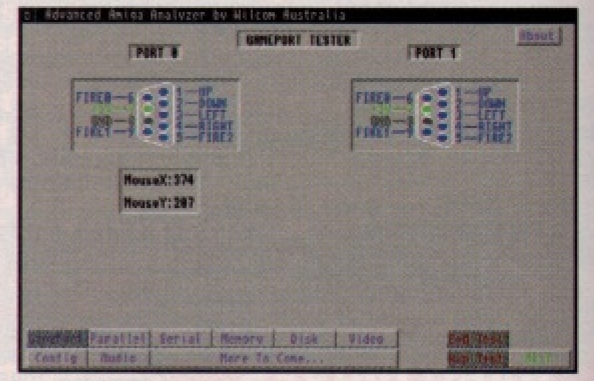
Like all computers, the Amiga is a complex piece of equipment that takes a while to understand. If you want to get to grips with its operating system, or how its software works, there are loads of books available to help you. If you want to find out a bit more about the hardware then you're on your own.

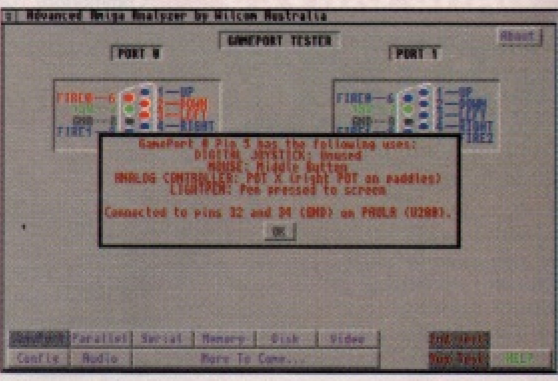
Most of the time, this lack of information isn't a problem because it's generally only programmers and dedicated enthusiasts who need to get that deeply involved in the Amiga's inner workings. However, like all intricate machines, the Amiga sometimes breaks down.

It's very rare for the computer to go completely belly up, so that you can't even get a display of some sort. Far more often, a single component will fail, perhaps intermittently at first, or it may just stop working all in one go. These failures can be a real devil to track down, but they can totally wreck your computing activities too.

With repairs costing anything from £30-£100, it's in your best interests to try and locate the source of any problems yourself. Until now, that hasn't been easy, if you didn't know the Amiga intimately, your chances were not good.

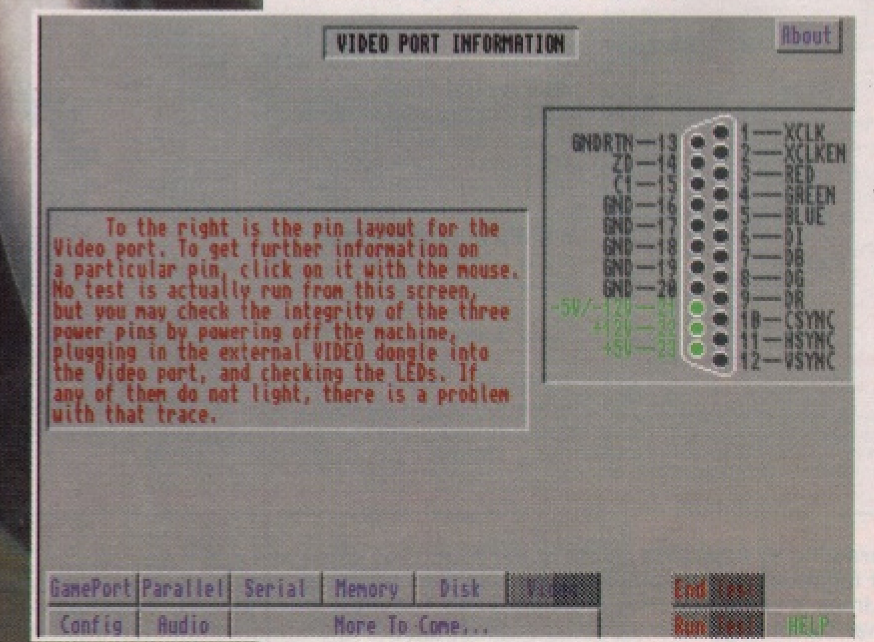
Now, thanks to the *Advanced Amiga Analyzer*, even the least computer-literate user can perform a full series of diagnostic tests on his Amiga.





The program contains representations of all the external ports. Here you see the joystick and mouse ports. The various pins even light up as you move the mouse or joystick.

Below: The only video test that can be performed with *Advanced Amiga Analyzer* is a voltage test.



The *Advanced Amiga Analyzer* is ideal for Amiga repairers and hobbyists. In less than five minutes you can use it to check your Amiga' health by performing tests on virtually every part of the hardware.

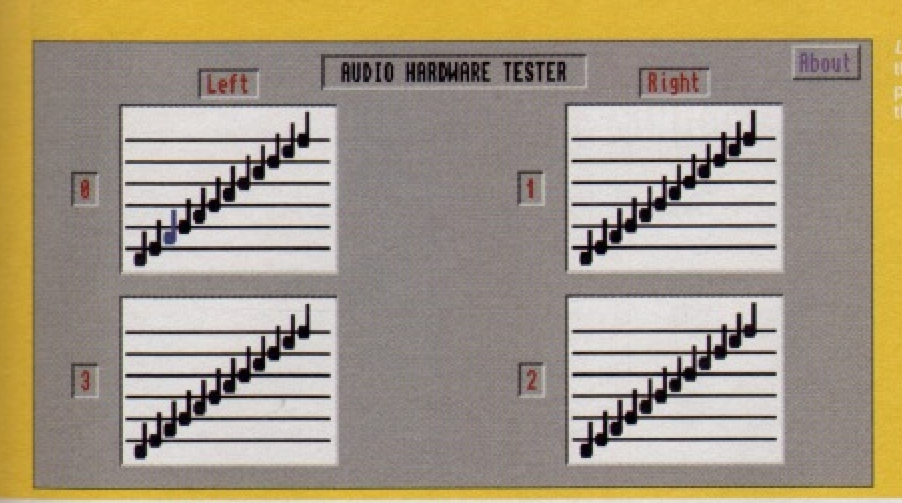
FEARSOME TWOSOME

Analyzer consists of software and hardware which carry out specific tests on separate system elements. The software is the most important part of the set-up because, not only does it perform most of the tests, it also suggests where problem areas are likely to be should a fault occur.

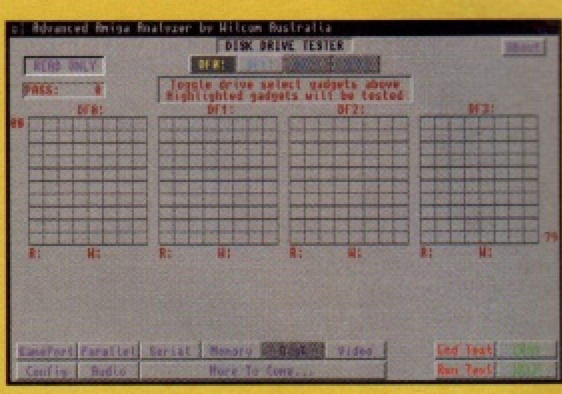
All operations are performed via a button bank which appears at the bottom of the screen. This bank allows you to select the area to be checked, as well as letting you start and stop test runs.

The first button on the button bank is labelled Gameport. It lets you test the status of the two joystick/mouse ports. When you select this button, the screen display shows a representation of both ports, with each pin clearly labelled.

If a device is connected to either of the ports, moving it will light up various pins on the display. In order to perform an accurate test, you should plug in the mouse, move it around and try pressing the buttons. You should then plug in a joystick and move that around too, because the ports



Left: The program only performs the most superficial sound tets, playing a series of notes through each sound channel.



Although the program tests your floppy drives, it seems to be testing the actual disks as much as the drives. Most of the error messages refer to faulty media and errors in the data structure.

react differently. If you have a three-button mouse or an analogue joystick, *Analyzer* can test them also.

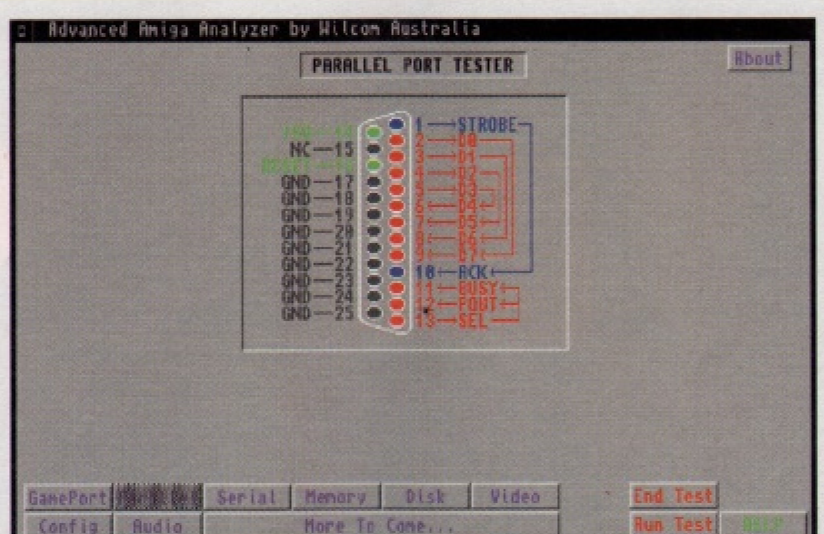
If you should detect an error whilst performing the test; ie the appropriate pin doesn't light up when moving in that direction, clicking on that pin will tell you how that part of the port interfaces with the computer. This is invaluable because it tells you exactly what chips and what circuit path to examine in order to find the problem.

For example, if the right direction on your joystick doesn't work, you're told that the offending pin is buffered through the 74LS157 chip (U202, pin 13) and into the 8362 Denise chip (U201). This handy information makes finding a cure much easier as you can pinpoint where the fault is. There's also a help button which has full details on the tests.

However, for some reason, the software cannot tell you whether or not the appropriate power is reaching the joystick ports, and that's where the extra hardware comes in. Plug the dangling 9-pin D plug into either port and a light will be illuminated to indicate that all is well.Where no light appears, all is not well. The hardware is also used to check the power of the serial, parallel and RGB video ports.

YOU CAN'T WAGGLE THAT MISSUS

When it comes to testing the serial and parallel ports, there is nothing to waggle around to check for a response, so the hardware has to generate a signal that simulates such action. After you've selected serial or parallel from the button bar, you will be presented with a graphical representation of the appropriate port. To perform a full check, you'll need to click the run test button at the bottom of the screen. Then, in conjunction with the hardware, the program begins running a series of tests on the various pins. If an error is detected, the offending pin is highlighted and information about that pin's function is given as a diagnostic aid.



When it comes to testing the serial and parallel ports, you'll need to plug in the extra hardware.The program then automatically tests them for you.

Not all of the tests involve testing external ports. The memory test for example, checks the status of all RAM, including expansion memory. It does this by writing to and reading from the entire memory in 256k blocks (small enough for you to locate any particular chips that may have failed). If any errors are discovered, the offending memory address is listed at the bottom of the screen.

The disk drive checking section is designed to check for faults on any drives attached to the Amiga. It does this by performing read and read/write tests. If a fault occurs, a variety of error numbers may be generated, and although most of these are more to do with the structure of the data on the disk, they can be used to detect faults such as misaligned or damaged heads.

Unfortunately, there doesn't seem to be a way of differentiating between the various types of error, but that's not really a weakness in the program.

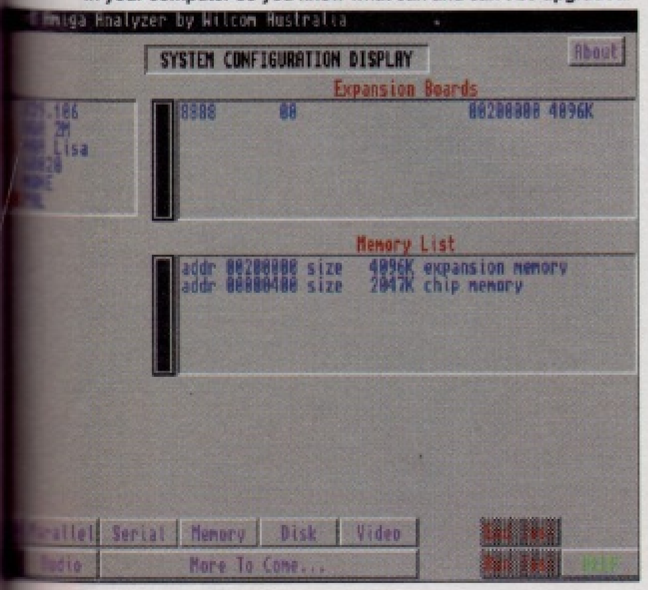
The Audio test is unsophisticated, but at least it lets you check whether or not all your Amiga's sound channels are working. It does this by playing a short scale of notes across each of the four channels, one after the other, whilst highlighting the notes on-screen.

The idea is that if your Amiga misses a note, you'll know it. To be honest, I don't believe there are any faults which will knock out a single note or even a single sound channel, so I feel that this option may have been included to satisfy the inexperienced user who tends to like lots of flashing lights and bells!

The video section is not so much a test as an information screen. They say in the manual that the only test that can be easily applied to the video port is to check whether or not power's getting to it. I would have thought that some sort of test card might have been useful to help ensure that the RGB lines were working.

The final section is labelled Config and it's especially useful for those occasions when you need to know exactly what chips are lurking inside your Amiga. It reports the ROM, Agnus, Denise, CPU and FPU versions as well as the display mode. It also displays a list of all expansion boards and a summarised memory map. Whilst this last section is useful enough, SysInfo does offer a more complete system summary.

The system configuration gives a summary of the components in your computer so you know what can and can't be upgraded.



CONCLUSION

If you only own an A500, or 600 perhaps, it would be very hard to justify the price of *Advanced Amiga Analyzer*. If, however, you own several Amigas, or you belong to a group of Amiga-owning friends, or even an Amiga club, this is the very thing you need.

Analyzer takes all the uncertainty out of a faulty computers and lets you quickly establish whether a fault is software or hardware rooted, and in the case of the latter, gives you valuable advice in establishing a solution. Amiga repairers can hardly afford not to use this kit.



GRAPEVINE GROUP: $89.95

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

GRAPEVINE GROUP, 3, CHESTNUT STREET, SUFFERN, NY, 10901, USA.
TEL: 0101 914 368 4242

EASE OF USE 90%
More or less does it all for you

VALUE FOR MONEY 70%
Not bad, but pricey for private use.

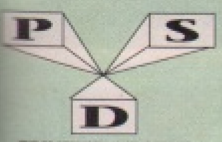
EFFECTIVENESS 75%
Does it well, but could offer more features.

FLEXIBILITY 80%
Checks a good variety of faults, but needs better documentation.

INNOVATION 95%
A repairer's best friend.

"A valuable tool to keep your Amiga in good health."

OVERALL 83%



THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENDORSED BY COMMODORE UK

DISKOVERY

TEL: 0274 880066

UNBELIEVABLE GIVEAWAY

1. BUY 10 PD DISKS & GET A FREE 10 CAP BOX WORTH £1.99
2. BUY 15 PD DISKS & GET A FREE MOUSE HOUSE WORTH £2.50
3. BUY 20 PD DISKS & GET A FREE MOUSE MAT WORTH £2.99
4. BUY 25 PD DISKS & GET A FREE DUST COVER WORTH £3.99*
5. BUY 35 PD DISKS & GET A FREE JOYSTICK WORTH £6.99
6. BUY 50 PD DISKS & GET 10 FREE PD DISKS WORTH £9.90

* DUST COVERS TO FIT A500/A600 & A1200 ONLY, ONLY 1 FREE GIFT PER ORDER



CENTRAL LICENCEWARE

EST 1991

DEMOS

D1....Mental Hangover
D2....Intercepter Demo
D4....Wild Copper
D10....17Bit Music Demos
D11....World Demos 21
D13....Total Remix Demo
D14/15....Predators(2)
D20/21....Red Sector(2)
D24/25....New Tek Reel3(2)
D26....Total Remix 2 Demo
D27....T.V. Theme
D30....Epic Demo
D34....P.D. Collection
D36....Virtual Worlds
D37....Vectra Sinking Demo
D38....TFF Demo Voyage
D40....Safy Demo
D59....Video Effects 3D
D64....Cult Vector Dance 2
D68....Phenomena Demo
D70....Amos 3D Demo
D74....A Trip To Mars
D76....A2000 GenlockDemo
D81/82....Budbrain 1 (2)
D83....Budbrain 2
D85....Crionics Neverwhere
D87....pirhana demo
D101....Alcatraz M/Demo 3
D102....A Chaplin Demo
D103....Total Destruction
D105....Mr B Demo Comp 4
D106....Walter S.T. Demos
D110....Defcon 1
D117....Aurora M/Demo
D118....Cult M/Demo 2
D125....Precise Demo
D133....Fasination
D136....Goldfire Megademo
D137/138....So What (2)
D139....Devils"No Reality"
D144....The Silents "Ice"
D145....Crystal Symphonies
D148....Ray Of Hope 2
D149....No Brain No Pain
D158/159.Cyborg Demo(2)
D195....Coaxial Comp
D197....MC Disk 1 Coma
D199....End Of Century 1999
D206....Dreamers 3
D208....Avengers M/Demo
D216/217..Bass o Matic (2)
D218....Disorder Demo
D219....Tuff Enuff
D225....Cool Fridge Demo
D226....Hardcrack M/Demo
D233....Hypnautic Hammer
D235....Six Of One Demo
D238....Planetside
D239....Lemmings Revenge
D240....Total Respray
D243....Budrain 3
D244....Phenomena Inerspace
D245....Total Retrial
D247....Pulling The Trigger
D253....CES Demos
D256....Total Recount
D257....Total Rebate
D262....Spasmolytic
D264....D-Mob M/Demo
D269....Sun Connection 2
D270....Kefrons The Wall
D271....Timex Hydra
D272....Electric Demos 1
D274....Defpackers Demo
D276....Cave La Weird
D279....Iraqui Demo
D280/281..Delerious (2)
D307....L.S.D. Demo
D312....Devils Colours
D314....Trakmo
D315....The Groove Ramjam
D325/326..Real Empathy(2)
D328/329..Red Dwarf (2)
D330....Darkness M/Demo
D332....Melted Experience
D333-337..Odyssey (5)
D340....Watchman Demo
D341....Anarchy Smoker Co
D342....Ed 209 The Revenge
D343/344..Hardwired (2)
D346....Wildfire M/Demo
D347....Mindwarp M/Demo
D348/349..Skizzo Demo(2)
D350-352..Treacle Team(3)
D358....Mr Men Stories
D359....Seeing Is Believing
D360....State Of The Art
D361....Mayday Resistance
D362/363..Jesus On E's (2)
D364....Fish Tank
D365....Optimum Pressure
D366....Mind Riot
D367....InThe Can Demo
D368....Dynamic Illusions
D369....Piece Of Mind
D370....3D Demo 2
D371....Lethal Exit
D376....World of Commodore
D377....Claustraphobia
D380....Hoover Demo
D381....The Trip
D382/3....Project Techno (2)
D384....Interspace
D386....Mindwarp (AGA)
D387....Panta Rhei (AGA)
D388....Hysteria
D393-5...Grapevine 15 (3)
D396-8...Grapevine 16 (3)
D399-401..Grapevine 17 (3)
D402....In The Kitchen

UTILITIES

U1....Games Music Creator
U21....The Comms Disk
U32....Modem Utils
U34....Red Devils Utils 1
U35....Soundtracker Special
U38....Paint,Music,Media
U39....Card Designer
U41....Red Devils Utils 4
U43....Future Composer
U44....Kefrens Makeboot
U45....P.E Giant Utils 168
U47....Label Designer
U49....Ultimate Icon Disk
U50....Power Comp Utils
U51....Jazz Bench
U55....Visicalc
U57....Quickbench
U59....Font Designer
U60....D-Paint Fonts 1
U61....D-Paint Fonts 2
U62....Med 3.20
U63....Direct Anim Creator
U64....Crossword Designer
U66....CLI Help + Others
U67....S/Tracker Mega
U68....Ultimate Boots 1
U69....Ultimate Boots 2
U73....Powerlogo
U74....M-Cad
U75....Journal Home Acc's
U76....Home Utilities
U77....Electrocad
U78....Ami Base
U81....Bootbench V2.0
U82....Slideshow Maker
U83....Catalog Workshop 1
U84....Catalog Workshop 2
U87....Hard Disk Utils
U89-94....Amateur Radio (6)
U95....C-Light + Others
U96....GFX Utils 1
U100....Ham Lab
U101....Sid V2.0
U108....A-Gene
U113....Midi Utilities
U118/119....Video Utils (2)
U132....GFX Utils 2
U133/134....North C (2)
U136....CrossDos (demo)
U138....Squid Squad Utils
U139....Terminalities V1.0
U140....Squash 1 (2.04 only)
U141....Squash 2 (2.04 only)
U142....Text Plus 3
U144....Demnis Samples 1
U145....Digital Intro Design
U146....GFX Clip Art
U147....Spectrum Emulator
U151....Slipstream V/Killers
U152....Red Devils Utils 6
U154....Amigafox W/P
U155....P.D Utils Docs Disk
U163....Quickbench + (2.04)
U164....Rim Database
U166....Dennis's Hack Disk
U167....Demolisher Utils
U168....Home Business 3
U172....Squelch (1.3 only)
U176....GFX Utils 3
U177....Star Charts
U179-180....Dice (2)
U181....Celtic Demo Maker
U186-206....Track Ins 10-30
U207....Icon Collection 1
U208....Dave Jones Fonts 1
U211....Chemesthetics
U212....Animated Pointers
U213....Desk Top Publisher
U215....Messy Sid 2
U216....Master V/Killer 2.2
U218....Data Base Wizard
U223....Ten Pin Data Base
U224....Q-Base Data Base
U226....Games Solutions 1
U231....D-Paint Fonts 3
U235....Ami Cash V1
U238....Iconmania
U240....Icon Editor
U252....Opticomms 2.0
U254....New Superkillers 2
U255....Protracker v2.0
U256....Atari ST Emulator
U258....D-Copy 3
U262....PC Emulator
U273....Vidi Fonts 1
U274....Illinoi Labels
U275....600 Business letters
U279....Invoice Printer
U283....Headline Fonts
U289....Amos Updater
U290....Kickstart 2.0
U293....Black Tiger Utils 2
U295....Text Engine V4.0
U296....Ultimate Disk Crea
U297....10 PD Copiers
U298....Protracker V3.0
U299....Address Print V3.1
U303....Game Tamer
U308....Music Base V1
U309....PP Minicrunch
U311....Vmorph V2.30
U313....Pro Astrology
U314....Pools Wizard Jr
U319....Lister V2.1
U320....Garden Designer
U327....Bezier Surf
U329....Music Engine V3.4
U330....Starview
U331....X-Beat Pro
U332....Superview V2.4

GAMES

G1....Return To Earth
G2....Games comp 5
G3....Dizzy Lizzy
G4....Scum Haters
G5....Parachute Joust
G6....Frantic Freddie
G8....Twintris
G9....Psuedo Cop
G10....Drip
G11....Bug Bash
G12....Asteroids
G13....LLamatron
G14....Escape From Jovi
G15....Moria Adventure
G16....Ground Attack
G17....Megaball
G18....Insiders Club
G19....Various Adventures
G20....Battleforce
G22....Dragon Cave
G24....Rings Of Zon
G25....Mayhem
G26....Mechflight
G27....The Tennis Game
G28....Flaschbier
G29....Buck Rogers
G30....Greyslayer
G31....7-Tiles
G32....Mega Comp 1
G33-34....Star Trek 1 (2)
G35-37....Star Trek 2 (3)
G38-39....Mechforce (2)
G40....Klondyke
G42....Car
G43....Games Comp 2
G44....S.E.U.C.K. Games
G45....Sacc Games Comp
G46....Games Comp 3
G48....Rays Game Disk
G49....Games Comp 4
G50....Games Comp 6
G51-52....Trucking (2)
G53....Jetpac
G55....Quick And Silva
G56....Miniblast
G57....Lamer Game
G58....Games comp 7
G59....Games comp 8
G60....Pom Pom Gunner
G61....Cavernoner
G62....Crystal Caverns
G63....Intact
G64....Eternal Rome
G65....Lemmingoids
G66....DownHill Challenge
G67....Lame ST Ports
G68....Paranoid
G69....Puggles
G70....Chainsaw Death
G71....Pirate Pete's Treasure
G72....Serene 2
G73....Castles
G74....Dynamite Dick
G75....Card Games 1
G76....Wizzy's Quest
G77....Growth
G78....Skate
G79....Atic Atac
G80....Napoleonic Sim
G81....Project 1
G82....Lazer Zone
G83....Lemmings Pack
G84....Star Trek S.E.UP
G85....Lettrix
G87....Matched Pairs
G89....Snake Pit
G90....Zeus
G92....Blizzard
G93....The Maze Game
G94....Subculture
G95....Hollywood Trivia
G97....Shootout
G99....Holy Grail Adventure
G100....Amos Coindrop
G101....Classic Comp 1
G102....Card Games 2
G103....Super Skoda Chall
G104....Grand Prix Sim
G106....Computer Conflict 2
G107....Mission X Raid 2
G108....NU Game
G110....Tricky + The Turn
G111....Marble Slide
G112....Games Comp 10
G113....Black Jack Lab
G114....Dungeon Of Madroj
G115....Amiga Columns
G116....Robocop In Iraq
G117....Mutant Camels
G120-122....Warlock (3)
G124....Bart Simpson
G126....Air Ace 2
G127....Breakout Con Kit
G128....Pipeline
G129....Dung Of Doridian
G132....Peters Quest
G133....Star Trek 3
G134....Piperider
G139....Door To Door
G143....Solid Quad
G144....Omega Race
G145....Mission X Raid 3
G146....Trek 73
G147....Wack In Wonderland
G148....Squats Revenge
G149....Sky Fight
G150....Wet Beaver
G151....Airmania
G152....Wizard World
G154....Totally Frantic Quiz
G155....Chess V2.0
G156....Smash Telly
G159....Billy The Dragon
G160....I-Ching
G162....TomCat
G163....Sea Lance
G164....Dizzy Diamonds
G165....No Mans Land
G166....Word Square Solver
G167....Cross Fire
G168....Wastelands
G170....Space Blitz
G171....Crazy Sue
G172....Make A Break
G173....Squamble
G174....F-1 Challenge
G175....Othello
G178....Evil Dead Game
G179....Trainset
G180-181....P Comps 1+2
G182....Diplomacy
G183....Tractor Beam
G184....Motor Duel
G185....Game Boy Tetris 2
G186....Water Works
G187....Act Of War
G188....Mutants Games
G189-193....Timelords 1-5
G194....Nirvana
G195-196....Neighbours (2)
G197....Ameoba Invaders
G198....Game Boy Tetris 1
G199....Tetren
G200....Battlecars 2
G201....Dr Mario
G204....Ashido
G205....Cheats Disk 2
G206....Cheats Disk 3
G208....Airport
G209....F.R.A.C.
G210....The Golden Fleece
G211....Legend of Lothian
G212-214....Timelords 6-8
G215....Amos Games 1
G216....Super Sid
G217....Light Bikes
G218....Relayer
G219....Air Hockey
G220....Amos Child Quiz
G221....Texas Chainsaw
G222....Roulette
G223....Premier Pics
G224....Thrust Duel
G225....Wibble Giddy
G226....Super Pong
G227....Fruit Salad
G228....Brainbow
G229....Jeopard
G230....Space Invasion
G231....Karate Worm
G232....Super League Manager
G233....PD City Comp 1
G234....Colour Changes
G235....Battle Of Britain
G236....Super Twintri
G237....Castle
G238....Numtris (+ Only)
G239....Kung Fu Charles
G242....Micro Market
G243....Bload Runner

S79....Freddies Dead
S80....Wendy James Slides
S81....The Invisible World
S82-83....Terminator 2 (2)
S84....Fantasy Pics
S85....Gulf War Slides
S86....Magical Pics
S88....Gulf War Tribute
S89-90....S/Thing Fishy (2)
S91....Eldorado Slides

SLIDES

S1....Ham Pics Show 1
S4....Madonna slides
S5....Moviestar slides
S6....Party Disaster
S8....Immaculate Collection
S9....Simpsons Slides
S10-11....Channel 42 (2)
S12....Bruce Lee Slides
S14....Adams Family
S15....Viz Mag Slides
S17....Docklands Jarre
S18....Dr Who Demo
S20....Nasa Slides
S22-24....WWF Slides (3)
S27....Demons Slides
S28....Total Recall
S29....Joe's Slides
S30....Ham Pics Show 2
S32....Neighbours Slides
S33....Roger Dean slides
S34....Iron Maiden Slides
S35-36....Tobias Richter (2)
S38....Basket case 2
S39....Eces Slides
S40....Fraxion Devine 2
S41....Fraxion Devine 1
S42....Golems Gate Slides
S43....Chainsaw Slippers
S44....Cry For Dawn
S45....Forgotton Realms (2)
S47....Kick Off 3 Slides
S48....PD Slideshow
S49-52....Terminator (4)
S53....Robocop 2 Slides
S54....Trackmaster Slides
S55....Forgotton Realms 2
S56....Garfield Slides
S57....Pawnbroker Slides
S58....Hellraiser Slides
S59....Night Breed Slides
S60....Raytracing
S61....Horror Slides
S70....Muscle Mania
S71....Creature Comforts
S72....The Wonder Years
S73....Watership Down
S75....Ferrari 348 Pics
S76....Belinda Carlisle
S77....Cher Slides

ANIMS

A1....Probe Sequence
A2....Ghost Pool
A3....Jogger + Magician 1
A4....Gymnast Demo
A5....Fractal Flight
A6....Basketball Demo
A8....Walker Demo
A9....Magician 2
A10....Pugs In Space
A11....Luxor Teenager
A13....Juggler Demo
A16....Cool Cougar
A17....Mono Cycle Anim
A18....Robocop Anim
A20....Mayhem On Wheels
A21....Jugette 2
A22....Shuttlecock Anim
A23....T-Pot Anim
A27....Fleet Manouvre
A28....Billiard Anim
A29....E/Prise Leaves Dock
A30....Starwars 2 Anim
A31....Star Trek Anim
A32....Fraxion revenge
A34....Madonna Anim
A35....Stealthy Anims 2
A36....Raiders Of The L/Ark
A37....Bugs Bunny Show
A38....Iraq V's UK Anim
A39....Mike Tyson anim
A42....Walker 2
A43....Walker 3
A45-46....Light Cycle (2)
A47....Exploding Head
A48....Police Car Chase
A49....Top Gun Demo
A50....Animators Demo
A51....5 Ways To Kill a Mole
A52....Another 5 Ways
A53....Batman The movie
A54....3D Spaceship
A55....Mr Potato Head
A59....Low Level Flight
A63....Amy V's Walker
A64....Real Pinball Anim
A66....Porky Pig Anim
A67....Adventures Of Chuck
A70-71....Max Overdrive (2)
A73....Spaceshuttle Anim
A74....Ghostbusters + Horse
A76....Alarm Anim
A77....Flight Anim
A78....Plane Anim
A79....Dart Anim
A80....Bad Bird Anim
A81....Holiday Anim
A82....Fillet The Fish
A85....Miners Anim
A86....Pocket Watch Anim
A90-93....The Movies 2 (4)
A95....My TinToy
A96....T-Pot 2 Anim
A99....Terminator 3
A100....Dolphin Dreams
A101/102....Thunderbirds (2)
A103....History of Amy
A104....Pogo Anim (2 Meg)

EDUCATION

E1....Education Pack 1
E2....Education Pack 2
E3....Education Pack 3
E4....Education Pack 4
E5....Education Pack 5
E6....Education Pack 6
E7....Educational Worlds 1
E8....Educational Games
E9....Math Drill
E10....Amiga Function Com
E11....Devware Ed Comp
E12....Simon Says + S Maths
E13....Kids Paint
E14....Storyland 2
E15....Colour It
E16....Colour The Alphabet
E17....D.T.P. For Children
E18....Algebra
E19....Amosagram
E20....Animal Land!
E21....Animal Sounds
E22....Military War Sounds
E23....Vehicles Sounds
E24/25....Read & Learn 1 (2)
E26....Junior Maths

BOULDERDASH COLLECTION 1-8

10 DISKS PER PACK FULL OF ROCKFORD STYLE GAMES. COLLECT THE DIAMONDS, WATCH OUT FOR THE ROCKS. 8 PACKS ALL £10.50 ea pack

CLR LICENCEWARE

EDUCATION

CLE01 **DINOSAURS** Learn all about certain types of Dinosaurs Le Jurassic, Triassic and Cretaceous. 2 disks £4.50.
CLE02 **GEOLOGY** Want to know all about the Volcanos and their substances then try this. 2 disks £4.50.
CLE03 **SOLAR SYSTEM** Know more about the Solar system with info on Planets etc with pictures. 3 disks £5.50.
CLE04 **COLOURING PAD** A unique colouring book to keep the kids amused for hours. 1 disk £3.50.
CLE05 **A CHORD** Learn to play the guitar by listening to nearly every single chord available. 1 disk £3.50.
CLE06 **MATHS INSTRUCTOR** Get through the GCSE's with this Maths instructor. Trig, Quadratic, Area etc. 1 disk £3.50.
CLE07 **FRESHWATER FISHING** Think you know all about fishing? Try this. 2 disks. £4.50.
CLE08 **NIGHT SKY** Look at the stars, planets etc from anywhere and click on an object for info. 1 disk £3.50.
CLE09 **WORDS + LADDERS** A word spelling game for 1 or 2 players. 1 disk £3.50.
CLE10 **BASICALLY AMIGA** Get to know your Amiga to the full. 3 disks £5.50.
CLE11 **LETS LEARN V1.1** Learn sums, times codes etc on this learning aid. Age range from 3-7. 1 disk £3.50.
CLE12 **ALPHABET TEACH** Try to spell what you see on the screen. 1 disk £3.50.
CLE13 **HOME BREW** With recipes to instructions on fermenting etc. Learn how to make home made wine. 1 disk £3.50.
CLE14 **ECOLOGY** Learn more about Ecology with this brill program. 3 disks £5.50.
CLE15 **FAST FRET** Learn scales on the guitar and become as good as the best (with sound). 1 disk £3.50.
CLE16 **KINGS AND QUEENS** Find out all the Monarchy's history with this program (with pictures). 2 disks £4.50.
CLE17 **THINGAMAJIG** Brill puzzle type education program. 1 disk £3.50.
CLE18 **WORK AND PLAY** 3 educational programs to help children learn easily. 1 disk £3.50.
CLE19 **PLAY IT SAFE** This will teach children what safety is inside and outside. 1 disk £3.50.
CLE20 **BIG TOP FUN** Another 4 programs to help the children. 1 disk £3.50.
CLE21 **JIGMANIA** 2 jigsaw type educational programs on this disk. 1 disk £3.50.
CLE22 **CHESS TEACHER** Learn how to play chess the easy way with this teaching aid. 1 disk. £3.50.
CLE23 **MIND YOUR LANGUAGE** Like a dictionary this explains word meanings but simplified. 1 disk £3.50
CLE24 **SPEED READING** Learn the art of fast reading if you have problems. 3 disks £5.50.
CLE25 **CHORD COACH V3.1** Learn how to play different chords on the piano. 1 disk £3.50.
CLE26 **SNAP** Match silhouettes with the colour pictures on screen. Age 3+. 1 disk £3.50.
CLE27 **C.A.T.T.** A complete Tarot card translator for the phychics among us. 3 disks £5.50.
CLE28 **FUN WITH CUBBY** 6 programmes to help the children learn with fun. 1 disk £3.50.
CLE29 **PREHISTORIC FUN** Learn about the dinosaurs with 4 great games. 1 disk £3.50.
CLE30 **PEG A PICTURE** Draw pictures with either pegs or shapes, excellent for children. 1 disk £3.50.
CLE31 **UNDERSTANDING AMOS 2** Having problems learning Amos, not anymore with this program. 2 disks £4.50.
CLE33 **MESSERSCHMITT BF109** Learn about different parts of this plane with graphics. 2 disks £4.50.
CLE34 **YOUR FIRST PONY** What to look for and how to look after your first pony (book). 2 disks £4.50
CLE35 **TC SOLAR SYSTEM 2** Sequel to set 1, superb 3 disks £5.50
CLE36 **THE TIME MACHINE** Teaches kids to tell time. 2 disks £4.50
CLE37 **DISCOVERY AMERICA** Learn all about colonisation of U.S.A. 1 disk £3.50
CLE38 **HOME INVENTIONS** First in the quest for knowledge series, this picture book deals with inventions since 1750. 2 disks £4.50
CLE39 **MY LITTLE ARTIST** Superb colouring book for children with features for disabled needs as well. Needs 1 meg chip ram. 2 disks £4.50

UTILITIES

CLU01 **VIDEO TITLER** Make your videos look professional, scrollers etc. 1 disk £3.50.
CLU02 **FISH INDEXER** A full database of the Fred Fish library. 1 disk £3.50.
CLU03 **TYPING TUTOR** Typing can be no longer a problem with this. 1 disk £3.50.
CLU04 **A-GRAPH** Create pie charts and bar graphs with ease. 1 disk £3.50.
CLU05 **SAS MENU MAKER** Make menus to suit you. 1 disk £3.50.
CLU07 **PHILO** An easy to use but powerful database system. 1 disk £3.50.
CLU08 **WORD FINDER** Solve the crosswords easily. 2 disks £4.50.
CLU09 **PLAY AND RAVE 2** A music module linker to create music. 2 disks £4.50.
CLU10 **POWER ACCOUNTS** Keep accounts of your expenditure with password function. 1 disk £3.50.
CLU11 **CALC V1.3** An excellent spreadsheet for those cross calculations. 1 disk £3.50.
CLU12 **VIRTUAL WINDOWS I** A collection of utilities like address book, notepad, software cats etc. 1 disk £3.50.
CLU13 **DATOS** Easy to use yet very powerful database. 1 disk £3.50.
CLU14 **STOCK CONTROLLER** Keep up to date with your stock control. 1 disk £3.50.
CLU15 **EPOCH** Very powerful calendar utility. 1 disk £3.50.
CLU16 **CROSS STITCH** Useful needlework utility. 1 disk £3.50.
CLU17 **LC10 FONTS** Different fonts for your LC10 Printer. 1 disk £3.50.
CLU18 **LC200 FONTS** Different fonts for your LC200 Printer. 1 disk £3.50.
CLU19 **LC24FONTS** Different fonts for your LC24 Printer. 1 disk £3.50.
CLU20 **CANON BJ10 FONTS** Different fonts for your BJ10 Bubblejet printer. 1 disk £3.50.
CLU21 **INVOICE MASTER** Sort your invoices out easily with this one. 1 disk £3.50.
CLU22 **H.D.M. v1.1** A hard drive multitasking menu system. 1 disk £3.50.
CLU23 **F-15 ANIMBRUSHES** Anim brushes for use with paint packages. 1 disk £3.50.
CLU24 **RED LOTUS ANIMBRUSHES** More anim brushes for paint packages. 1 disk £3.50.
CLU25 **STAR FIGHTER ANIMBRUSHES** Even more anim brushes for paint packages. 2 disks £4.50.
CLU26 **STAR VOYAGER ANIMBRUSHES** Yet more animbrushes for paint packages. 3 disks £5.50.
CLU27 **IMAGEBASE** A very powerful image database to store pictures text and sound. 1 disk £3.50.

GAMES

CLG01 **NORRIS** A very addictive game set in the medieval era. 1 disk £3.50.
CLG02 **DARK THINGS** A brilliant platform scrolly game. 1 disk £3.50.
CLG03 **PHASE 2** An excellent sideways scroll shoot em up game. 1 disk £3.50.
CLG04 **X-SYSTEM** A very addictive game with the usual end of level monster. 1 disk £3.50.
CLG05 **TRUCKING ON** Try and manage your own truck fleet, excellent. 2 disks £4.50.
CLG06 **OBLITERATION** Another fast shoot em up type game. 1 disk £3.50 (Not plus compat).
CLG08 **DRAGON TILES** Old Japanese type mahjong style game. 1 disk £3.50.
CLG09 **MOTOR DUEL** Drive a 3D car shooting and racing with opponents. 1 disk £3.50.
CLG10 **FUTURE SHOCK** A case of getting the bat through the maze. 1 disk £3.50.
CLG11 **ALL GUNS BLAZING** Car game for 2 players with the overhead view theme. 1 disk £3.50.
CLG12 **BULLDOZER BOB** Wipe out the screen of coloured blocks. 1 disk £3.50.
CLG13 **PARADOX** A puzzle game to test those powers of solving. 1 disk £3.50.
CLG14 **SONIC SMARTIEHEAD** Another platform style game. 1 disk £3.50.
CLG15 **SPLODGE THE REVENGE** Another platform game with puzzles to solve. 1 disk £3.50.
CLG17 **IMBRIUM DAY OF RECKONING** One of those graphic adventure type games, excellent! 1 disk £3.50.
CLG18 **SKAN 29** Brill platformer with 220 levels and end of level monsters. 1 disk £3.50.
CLG19 **STELLAR ESCAPE** Vertical scrolling shoot em up game. 3 disks £5.50.
CLG20 **JUNGLE BUNGLE** A mouse icon driven adventure that will have you playing for hours. 1 disk £3.50.
CLG21 **FLOWER POWER** Try and grow flowers before the bugs eat them. 1 disk £3.50.
CLG22 **STOCKING FILLERS** 3 games all with Christmas themes. 1 disk £3.50.
CLG23 **MARVIN THE MARTIAN** A massive maze type game where you collect things to stay alive. 1 disk £3.50.
CLG24 **EASY MONEY** Excellent fruit machine (not plus compat). 1 disk £3.50.
CLG25 **WHITE RABBITS** Another puzzle type game. 1 disk £3.50.
CLG26 **MONSTER ISLAND** A strategy type adventure along the lines of Dungeons and Dragons. 1 disk £3.50.
CLG28 **THE RIFT** Excellent platform adventure along the lines of Turrican. 1 disk £3.50.
CLG29 **BILLY BALL** Guide Billy through 5 worlds of mazes. Excellent game. 1 disk £3.50.
CLG30 **CAPTAIN K** Collect flowers and kill baddies to move to next level. Good fun! 1 disk £3.50.
CLG31 **DIRTY RACKETS 3** Tennis platform game! 1 disk £3.50

ASSASSINS 1 TO 142 NOW IN

DON'T FORGET TO CLAIM YOUR FREE GIFT – WHILE STOCKS LAST

RAVE & TECHNO PACK 1
ORDER NO: PO1
DANCE IN STYLE WITH ALL THE LATEST RAVE & TECHNO SOUNDS ON THE AMIGA
10 DISKS FOR ONLY £10.50 + P&P

RAVE & TECHNO PACK 2
ORDER NO: PO11
YET MORE OF YOUR FAVOURITE DANCE TRACKS TO KEEP YOU RAVING
10 DISKS FOR ONLY £10.50 + P&P

EDUCATION PACK
ORDER NO: PO2
LEARN LANGUAGES, PLAY GAMES, WATCH DEMOS, PAINT PICTURES ETC. AGE RANGE 5-ADULT
15 DISKS FOR ONLY £15.50 + P&P

CLIP ART PACK
ORDER NO: PO3
WITH 100s OF PICTURES TO CHOOSE FROM THIS IS A MUST FOR ALL YOU D-PAINT AND DTP ENTHUSIASTS
15 DISKS FOR ONLY £15.50 + P&P

BUSINESS PACK 1
ORDER NO: PO4
WHETHER IT'S JUST TYPING A LETTER OR KEEPING A RECORD OF YOUR FINANCES, THIS IS A DEFINITE MUST
10 DISKS FOR ONLY £10.50 + P&P

BUSINESS PACK 2
ORDER NO: PO10
EVEN MORE UTILITIES TO KEEP YOUR RECORDS RUNNING SMOOTH
10 DISKS FOR ONLY £10.50 + P&P

STAR TREK PACK
ORDER NO: PO8
THIS IS FOR ALL YOU STAR TREK FANS, CONTAINS STAR TREK GAMES 1 & 2 + OTHER ANIMATIONS ETC
10 DISKS FOR ONLY £10.50 + P&P

CARD GAMES PACK
ORDER NO: PO9
CAN'T FIND THOSE CARDS, FEAR NOT, ALL YOUR FAVOURITE CARD GAMES ARE AT HAND IN THIS PACK
10 DISKS FOR ONLY £10.50 + P&P

SPECTRUM EMULATOR
ORDER NO: PO7
THE NEW 1.7 EMULATOR WITH FOUR GAMES DISKS, 66 GAMES IN ALL. A MUST FOR ANY COLLECTION
5 DISKS FOR ONLY £6.25 + P&P

ASSASSINS PACKS £1.50 EACH

10 DISKS	£10.50+p&p
30 DISKS	£28.50+p&p
40 DISKS	£34.50+p&p
54 DISKS	£43.50+p&p
70 DISKS	£58.00+p&p
ALL 116	£95.00+p&p

ACCESSORIES

MOUSE HOUSE	£2.50
MOUSE MAT	£2.80
AMIGA MOUSE	£14.99
10 CAP BOX	£1.99
A500 COVER	£3.99
A600 COVER	£3.99
A1200 COVER	£3.99
3.5" DSDD DISKS	£0.69
MONITOR STAND	£10.99

HOW TO ORDER

All you need to do is put the numbers of the disks required and send it to the address below along with a cheque or PO made payable to *DISKOVERY*
Please don't forget to include the correct postage to ensure speedy delivery

PRICES

PUBLIC DOMAIN	POSTAGE
1-9....£1.50 each	Europe PD....60p
10+....£1.25 each	Accessories....90p
20+....£0.99 each	World PD....£1.50
	Accessories £1.80

A1200 DEGRADER NOW IN ONLY £1.50 each MOST DISKS WILL WORK NOW

SEND YOUR ORDER TO...



WE ACCEPT ALL MAJOR CREDIT CARDS

VISA

WOT NO SWITCH NO!

DISKOVERY, DEPT (CU), 108 THE AVENUE, CLAYTON, BRADFORD, W YORKS BD14 6SJ

CD-ROM

how to get it connected to your Amiga

As the popularity of CD-ROMs increases, John Kennedy looks at how you can gain access to these shiny 600Mb discs no matter what Amiga you own.

First came the CDTV, but the world wasn't ready. An Amiga in a black hifi box with a CD player? What would I want one of those for? Then came the CD32, and this time the world was ready. A games console that has an Amiga inside? Where can I get one? Both machines have something in common – they both use CD-ROM technology which can store huge amounts of information. One important point though: CD-ROMS might look exactly the same as audio CDs, but they won't work in your midi system.

CD-ROMS

A single CD-ROM disk can contain about 600Mb of uncompressed data, which is roughly as much information as about 600 floppy disks. Each disk only costs a few pounds to manufacture and are sold for about £20. Compare that to a 600Mb hard drive which would set you back about £600.

Before we go any further, some very important points need to be made. In the same way that not all floppy disks will work on different computer systems, not all CD-ROM systems are compatible. You can't buy a game marked CDi and expect to run it on an Amiga; for exactly the same reason you can't buy a PC version of a game and expect to run that on an Amiga either. It might be possible to read the data on the disk (all disks use the ISO9660 standard), but that's not always good enough.

For example, using *CrossDOS* you can examine the contents of any PC disk. You can copy the files over onto your own computer disks, but you can't run the programs. PC and Amiga computers use completely different processors and so the programs themselves are completely incompatible.

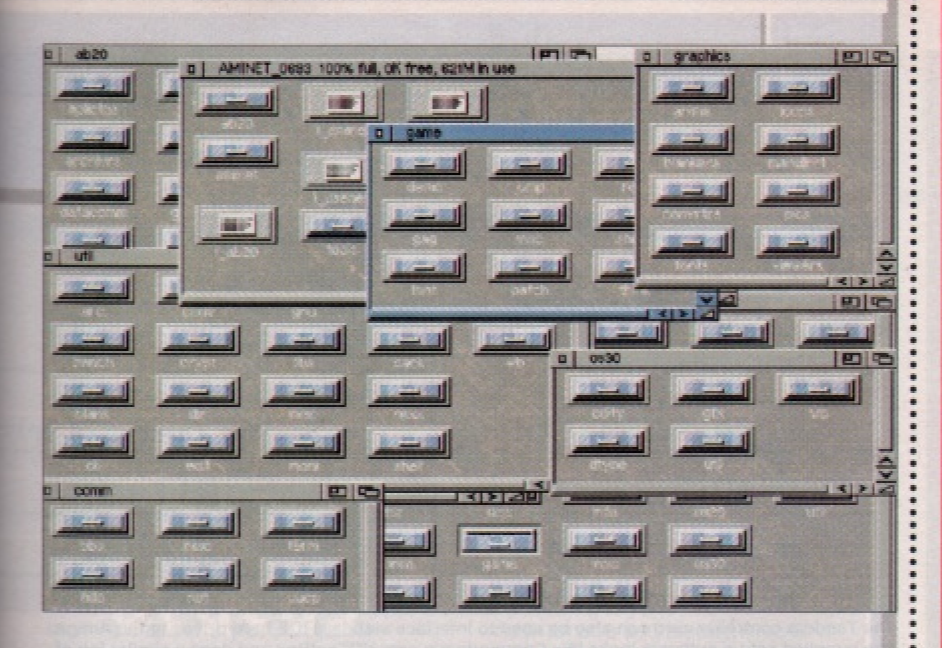
For similar reasons, games sold on CD for the CD32 (and CDTV if you can find any) won't always work on other hardware platforms. Games for the CD32 are very likely to use the AGA chipset, and the CD32 also has the unique AKIKO graphics chip. Adding a CD-ROM player to an A1200 or A4000 will probably not enable games to run, unless they are specifically designed to do so.

Therefore, avoid buying CD32/TV specific software for an Amiga fitted with a normal CD-ROM drive. However, in some rare instances, you might be lucky – *Turrican II* runs if you disable CPU caches and start it from the shell, but generally the

17-Bit Software were one of the first companies off the mark to supply software on CD.



The PlayCD utility is used to control the play back of standard audio CD's. The music comes either through the headphone jack at the front of the player, or through the Amiga's integral mixer if you have an A4000.



Each of these drawers contains dozens of programs, all archived - it will take weeks to look at everything. This is only a fraction of the contents of one disk.

odds are stacked against you. Until Commodore bring out those mythical CD-ROM drives for the A4000 there is no way to guarantee that CD32 games or FMV video disks will work with non-CD32 hardware.

PC-based CDROM software is also hard to use. None of the programs will work (unless you are running an emulator) but any standard data files might be useful. Fonts for example, can usually be used. Similarly, if you have a good image processing program such as AdPro you should be able to read and display any images.

PLAYERS

Before you can use any CDs, you'll need a suitable CD player. Using an old audio player simply isn't on – you need a dedicated computer peripheral. Once you have managed to get a drive connected, the ROM will look like any other disk drive to the Amiga's system. An icon appears on your Workbench, and all the files inside it are available for copying or clicking – just like a gigantic floppy disk. The only difference is, of course, that the drive is write protected: CD-ROMs are read only with current (affordable) technology.

There are two main standards used to connect CDROM drives to computers. It doesn't really make much difference which you use, as the drive itself will behave in exactly the same way.

The simplest interface is good old SCSI, the standard we all waved goodbye to with the introduction of the A1200 and A4000. A SCSI compatible CD-ROM player can be connected to any standard SCSI port, and with the correct driving software will work perfectly.

The second way to use a drive is to make use of a PC standard. It's very common for PC drives to come with their own interface cards which fit into a vacant slot. Unfortunately, unless you have a bridgeboard fitted (and getting hold of one of those can be a nightmare) this won't do you much good. Thankfully, *bsc/Alfadata* have brought out a suitable card, which means that the most popular PC drives can now be connected to any 'big box' Amiga.

But what if you don't have a SCSI interface or a Zorro slot? Well, A500 owners are lucky – they can buy the official Commodore A570 CDROM drive for about £99. The A500 Plus will support it without modification, but the original A500 will need a minor operation to upgrade its Agnus chip.

A600 and A1200 owners are the ones who'll suffer the most, because getting a SCSI interface can prove extremely difficult. Basically, if you have an A600 you're stuck until »

JARGON BUSTERS

BIG BOX AMIGA: Slang term for an Amiga which contains Zorro expansion card slots, namely the A1500, A2000, A3000 or A4000 and the various tower systems.
CDTV: The 'Commodore Dynamic Total Vision' was the first CD-based Amiga. Unfortunately, it wasn't the amazing success Commodore had hoped for, but it paved the way for the CD32.
SINGLE SPEED: CD-ROM drives work at a standard data transfer rate of about 150K per second. In other words, the Amiga can load about 153,600 characters per second from the drive. This is faster than floppy, but a good deal slower than a hard drive.
DOUBLE SPEED: As you might guess, a double speed CD-ROM drive will transfer data at about 300K per second. Triple and quadruple drives are available, but at the moment the performance isn't really worth the extra cost.
SCSI: The Small Computer Systems Interface standard, which allows to up seven SCSI-compatible devices (such as harddrives, optical drives or CDROM drives) to be connected with a host system.
MULTISESSION: Occasionally individual CDs contain information added after the initial pressing. In order to access this data, the drive and software need to have multi-session capabilities.
ISO9660: The standard protocol for storing computer information on a CD. The catch is that although the data can be accessed, it might not be useful to the particular computer system reading it.

» someone (*bsc/alfadata* perhaps?) comes up with a PCMCIA SCSI interface. Several A1200 trapdoor expansion systems feature SCSI expansion options which are worth taking up. In the meantime, both of these machines can be connected to a CDTV player. Many High Street retailers are current selling these machines off at bargain prices, and they are well worth getting. For your £100-£200, you'll get a superb box containing a 1Mb A500 plus, a CDROM player which doubles as a music system, a disk drive, mouse and keyboard. CDTV peripherals are still available and its possible to add all sorts of SCSI hard drives, genlocks and trackballs.

However, the inclusion of standard parallel and serial ports at the back of the CDTV's case is very interesting. A normal *ParNet* cable can be attached here, and connected to a host Amiga, an A600 for example. With *ParNet* running, the CDTV's CD-ROM drive can be accessed as a standard AmigaDOS drive called CD0: See the February 1994 issue of CU AMIGA for the *ParNet* program and details on linking machines with it.

SOFTWARE

You might be wondering what the point of having a CD-ROM drive is if you can't actually run any CD32 or CDTV software.Consider this: Do you like PD software? Buy a couple of disks every so often? So how much would it cost you to get 600 floppy disks worth? Quite a bit, eh? How would you feel about a single CD-ROM, costing about £20, which contains all 600 floppy disks – or more – and all instantly available for you? With one disk you can immediately recoup the cost of the player, the interface – even a new CDTV player!

Okay, there is bound to be some crossover of programs between these disks, but it's not as bad as you might think.

Several PD collections are stored using standard Amiga archivers, which means that they end up holding far more than the 600Mb a normal CD-ROM can.

If a CD contains archived data, you'll need access to a floppy or hard drive in order to decompress it, so don't expect it to work on a standalone CDTV or CD32. For example, The 17 Bit Collection requires a floppy drive, so a CDTV and external floppy or a CD-ROM fitted to a big box Amiga is required.

All disks containing compressed programs come with the decompressing software ready to use.

CD-ROM SUPPLIERS

17 BIT SOFTWARE,
1st Floor Offices,2/8 Market Street, Wakefield West ,Yorkshire WF1 1DH
REDLAW RESOURCES
74 Durban Road, Patchway, Bristol BS12 5HQ. Tel: 0272 760600

AMINET COLLECTIONS

The electronic Internet system has a huge archive of Amiga software, much of which is not available elsewhere. This disk contains the Amiga site files and a few other collections too. It is perfect for the more serious Amiga user, interested in utilities as well as games and demos. All programs are compressed, usually with LHA.

CDPD vol 1
This disk contains the famous Fred Fish Amiga public domain collection, or at least disks number 1 to 660 from it. There is so much stuff here it will take years to look at it all. £19.99, 17 Bit Software (Tel:0924 366 982.)

CDPD vol 2
More Fish disks (661 - 760) and the SCOPE collection(1-220) of PD disks and the AB archives. £19.99, 17 Bit Software (Tel:0924 366 982.)

CDPD vol 3
Filled with the Fish disks 761-880, along with HAM and AGA mode images and the complete text from several books. £19.99, 17 Bit Software (Tel:0924 366 982.)

DEMO CD 1
Stuffed with ready-to-run Demos, clip art, more than 1000 modules, games and utilities. £19.99, 17 Bit Software (Tel:0924 366 982.)
These disks make a perfect introduction to CD software as they don't require any expert knowledge.

DEMO CD 2
More click-and-go fun, with over 6000 sound samples.£19.99, 17 Bit Software (Tel:0924 366 982.)

LOCK AND LOAD
A forthcoming collection of games from the States, more details when we get a copy. £19.99, 17 Bit Software (Tel:0924 366 982.)

PANDORA'S CD
A demo of multimedia applications, which doesn't work very well on non-CDTV platforms. However, the disk is still crammed with high quality images and sounds and at this price it's a real bargain. £4.95 Redlaw Resources (Tel: 0272 760600)

THE 17 BIT COLLECTION
Disks 1 to 2301 from 17 Bit's own Public Domain library on a two disk set. Each disk is archived separately using DME and the supplied file-manager program will expand each the original floppy. £39.99, 17 Bit Software (Tel:0924 366 982.)

THE 17 BIT CONTINUATION
This single disk volume contains disks 2302 to 2800,along with the Assassins game disks - see the review elsewhere in this issue for more details. £19.99, 17 Bit Software (Tel:0924 366 982.)

THE MULTIMEDIA TOOLKIT
A disk filled with images (Ham, Ham8 and 24-bit) clipart,music, fonts and sound samples. Useful for all sorts of non-commerical DTP and Hyperbook-type projects. £19.99, 17Bit Software (Tel:0924 366 982.)

HDInstTools © 1992,1993 bsc büroautomation AG
Devices in System
PIC TID LUN Manufacturer Name Status
Connor 170Mb
Setup drive... | Save changes to dri
File System... | DOS Format...
Partition drive... | Copy disks...

The Tandem controller card can also be used to interface standard IDE hard drives to the Amiga. The supplied set-up software looks like Commodore's own HDToolBox and does a similar job of prepping and formatting new drives.

Tandem Controller Card

Cheap PC CD-ROM drives are everywhere, but until now, there was no way you could use one with your Amiga. Plug in the Tandem controller card, and your choice of available CD-ROM drives becomes wider than the Panama canal.

CU AMIGA TOP RATED

Amiga owners lucky enough to have a spare *Zorro II* or *III* slot can now get the same sort of facilities as PC owners, courtesy of long-time peripheral manufacturers bsc/Alfadata.

This dual-purpose card is a half-height circuit board, the most interesting thing about it is its two 40-pin connectors which suitable ribbon cables can be plugged into.

One set of pins is actually a full IDE hard drive interface, as used in the Amiga 1200 and Amiga 4000. Now, any big box Amiga can make use of up to two relatively cheap 3.5 inch IDE hard



You can get the entire 17 Bit Software collection (disks 1 to 2800) as well as some other collections on three CD-ROMs for £60. If you ordered the disks individually you would need an extremely large box to put them all in, not to mention a fat wallet.

drives, and A4000 owners can actually use four – if there is room inside the case for them all.

Getting hold of an IDE interface for the Amiga has been rather difficult of late, and this card is certainly the cheapest option around.

Using the Tandem on the A4000 to control the existing IDE drives actually speeds up transfer rates a little. A Connor drive jumped from 477,000 to 886,000 bytes per second which was a nice bonus. Another bonus is the support for the IDE Syquest SQ3105A which might set you back £500-£600 but uses £80 removable 105Mb cartridges.

The second connector on the Tandem card is even more interesting – it's a PC style CDROM interface for Mitsumi LU005 and FX001 drives. These drives are extremely popular with clone owners, and getting hold of them definitely isn't a problem.

Attaching your hardware isn't difficult: fitting the cabling is as easy as tying a shoe lace. Mounting the hardware is another problem, but again it's not particularly hard unless you have an A4000.

SOFTWARE

The interface hardware is only half the fun, as it takes some pretty clever software to introduce AmigaDOS to the world of CD-ROMs.

The Tandem installation procedure automatically sticks all the software you need onto your system disk, and when you place a CD-ROM disk in the player's tray up it pops on the Workbench. There's no fuss running *ParNet* or weird CLI commands, it simply whirrs a tad and you're ready to go.

The file system is fast and efficient and you soon forget that the CD-ROM drive is anything special – it's just another icon on your Workbench.

Unfortunately, the software only supports single session disks, but that is a situation which is bound to change with any future upgrades.

MUSIC

A little program called *PlayCD* is a bonus that will help while away those long hours spend word processing ,or whatever it is you do with your Amiga in private. *PlayCD* allows you to stick a normal audion CD in the drive and provides a CD player window to operate it. The music is relayed through the CD-ROM drive's audio interface which means that you can listen on headphones whilst your Amiga is compiling your latest C program.

The only drawback is the lack of *ARexx* support, which would have opened the system up to some real multimedia applications.

CONCLUSION

The price of this card might seem relatively low, but bear in mind that a similar card for a PC would cost about £20. And the low-chip count means that even at £70 the Tandem is over-priced from a hardware point of view.

If you plan on using it to add a hard drive to your system, bear in mind it is a half height card, with nowhere to physically mount a drive. The software support is good though – although a few more utilities and multi-session wouldn't go amiss – and the bonus of a good IDE hard drive interface means the Tandem is a card that has been eagerly awaited.

Hidden in the documentation is talk of a PCMCIA card version which, if it ever saw the light of day, would revolutionise the A1200 and A600 expansion market. CU

Note: Gasteiner (tel: 081 345 6000) sell the Tandem card and a Mitsumi CD-ROM drive together

See next month's CU AMIGA where we review more CD-ROM drives in depth.

TANDEM £69.00

A500 ✗	A500+ ✗	A600 ✗	A1200 ✗
A1500 ✓	A2000 ✓	A3000 ✓	A4000 ✓

Kickstart 2.04 or better required.
GOLDEN IMAGEUNIT 12, MILLMEAD BUSINESS CENTRE, MILLMEAD ROAD, LONDON N17 9QU.

EASE OF USE 90%
Stick in the card, install the software and forget about it. My kind of hardware.

VALUE FOR MONEY 85%
In the PC world it's a rip-off, but in Amiga land it's almost cheap.

EFFECTIVENESS 92%
Very good. Add some ARexx and multisession support for perfection.

FLEXIBILITY 95%
Available in a number of models, expandable up to 32 Mb. Suitable for all types of serious applications.

INNOVATION 95%
Why has it taken so very long for a card like this to appear, at last?"

"The best way to fill a Zorro slot in a very long time."

OVERALL 90%



A500 HARD DISKS

All the features ...without the price

- SCSI HARD DISK MECHANISMS for *optimum performance*, fast Access Time & Autoparking
- Includes SCSI THROUGHPORT at rear for further expansion
- COOL... by popular demand, we have fitted a Cooling Fan!
- GAME SWITCH allows Games to be loaded without disconnection
- High quality metal casing, colour and style matched to the Amiga 500
- Option for up to 4MB additional easy RAM EXPANSION, using 'SIMMS'
- Compatible with Reference Add-On Hard Drive and Reference RAM unit
- Includes its own DEDICATED PSU. CBM recommends against use of Hard Disks without independent power supply.
- Includes 'HD Setup 3' (external SCSI low level format and partition utility) and 'MRBACKUP PRO' (backup utility)

40Mb model	100Mb model
£219.99	£249.99

2Mb RAM Version: ADD £94
4Mb RAM Version: ADD £188

AMIGA FORMAT Verdict 84%
"Very attractive indeed – you get a good deal for a decent drive." March 1993

Reference

A500 8Mb RAM UNIT

Incorporating the latest 'ZIP' DRAM technology, our External Memory Upgrade allows the A500 / A500+ to be upgraded by up to a further 8Mb of auto-configuring FASTRAM.

- RAM access LED
- RAM test/run switch
- Uses 1Mb 4-bit ZIPS
- Style matched to the A500
- Very low power consumption
- Throughport for further expansion
- Optional PSU (allows Amiga to power other devices)
- Available fitted with 2Mb, 4Mb, or fully populated with 8Mb
- Compatible with A590 and most other SCSI Hard Drives (please call to check)

with 2Mb fitted	with 4Mb fitted	with 8Mb fitted
£129.99	£179.99	£279.99

N.B. Any memory fitted to this unit is in addition to that on your machine already, to a maximum of 8Mb on the external unit.

PARTIALLY POPULATED UNITS EXPAND TO 8MB WITH 2MB MODULES, AT ONLY £59.95 PER 2MB • OPTIONAL POWER SUPPLY £14.95

A500 512k RAM/CLOCK UPGRADE

- CONVENIENT ON / OFF MEMORY SWITCH
- COMPACT, ULTRA-NEAT DESIGN
- AUTO-RECHARGING BATTERY BACKED REAL-TIME CLOCK

ONLY £19.99

Also without clock for only £16.99

3.5" FLOPPY DRIVES



External Floppy Drive

- Very quiet
- Slimline design
- Suits any Amiga
- Cooling vents
- Full 880K Formatted Capacity
- Sleek, high quality metal casing
- Quality Citizen/Sony drive mechanism
- Enable / Disable switch,
- Long reach connection cable
- Throughport facility for addition of further drives

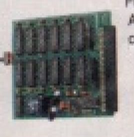
Amazing low price!
ONLY £52.99

A500 Replacement Internal Floppy Drive Kit

Fully compatible, with 1Mb unformatted capacity. Straightforward installation procedure. Kit includes full fitting instructions.

ONLY £44.99

1.5Mb RAM BOARD



Fully populated board increases total RAM in A500 to 2Mb! ☆ Plugs into trap door area, & connects to 'GARY' chip ☆ Includes Battery-Backed Real-Time Clock ☆ Socketed RAM ICs on 512K / 1Mb Versions

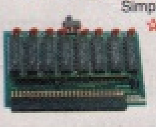
With 1.5Mb FASTRAM installed
ONLY £73.99

Unpopulated RAM board with clock £34.95

N.B.: The expansion board requires Kickstart 1.3 to operate - Kickstart 1.3 upgrade available from us for £29.95

A500+ 1Mb UPGRADE

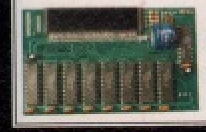
THE FASTEST AND EASIEST WAY TO UPGRADE YOUR A500+ TO 2MB RAM!



Simply Plugs into trap door expansion area ☆ Increases total RAM capacity to 2Mb 'ChipRAM' ☆ RAM On/Off Switch ☆ Compact unit size ☆ Only 8 low power RAM ICs ☆ High reliability

ONLY £42.99

A600 1Mb RAM/CLOCK UPGRADE



UPGRADE YOUR NEW A600 TO 2Mb WITH THIS SIMPLE PLUG-IN MEMORY UPGRADE!

- Simply Plugs into the A600's trap door expansion area
- Increases total RAM capacity of A600 to 2Mb 'ChipRAM'
- RAM Enable / Disable Switch
- Battery-Backed Real-Time Clock

ONLY £48.99

PRINTERS

Evesham Micros special – all our Star prices include 12 months On-site maintenance

Star LC 100 Entry level 9-Pin Colour, 4 fonts	£139.83
Star LC 24-100 24-Pin, 5 fonts, 192/64cps	£170.38
Star LC 24-20 24-Pin, 210cps high speed draft	£199.75
Star LC 24-200C Superb 24-Pin Colour, 5 fonts, 200/67cps	£233.83
Star LC 24-30 New 24-Pin Colour, 5 fonts, 192/64cps	£229.13
Star LC 24-300 Fast, quiet 24-Pin Colour, 9 fonts, 264/80cps	£290.23
Automatic Sheet Feeder for above (pls.state model)	£64.95
Star SJ 144 Colour Thermal transfer printer	£433.58
Hewlett-Packard Deskjet 310	£217.38
Hewlett-Packard Deskjet 310 Colour upgrade kit	£41.13
Hewlett-Packard Deskjet 510	£245.58
Hewlett-Packard Deskjet 500C Colour	£316.08
Hewlett-Packard Deskjet 550C Colour	£445.33
Canon BJ-10SX Inkjet Printer	£210.33
Canon BJ-200 Inkjet Printer 360dpi, up to 240cps, 8 fonts, 80-sheet feeder, IBM and Epson emulation	£280.83
Epson LX400 budget 10" carriage 9-pin 180/25cps	£139.00

Panasonic KX-P2123

The *Quiet* Matrix Printer

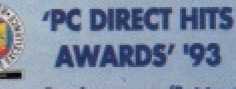
The KX-P2123 offers quiet operation, colour, Super Letter Quality printing and extensive paper handling features in a reliable and trusted design. A winning combination at an affordable price.

- **Colour Printing** Create colourful, crisp graphics easily by utilising the KX-P2123's choice of 7 vibrant colours.
- **Quiet Printing** Super quiet 43.5 - 46 dBA sound level (most matrix printers are typically in excess of 60 dBA)
- **Flexible Paper Handling** Accepts single sheets, continuous paper, labels envelopes and multi-part stationery.
- **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 SLQ.
- **7 Resident Fonts** Create over152,000 type styles
- **24 PIN Diamond** Printhead high quality output.

ONLY £186.83

Evesham Micros

WINNER OF TWO PRESTIGIOUS 'PC DIRECT HITS AWARDS' '93



'Customer Service Excellence' *'Support & Service Excellence'*

RETAIL SHOWROOMS

Normal Opening times: Monday-Saturday, 9.00-5.30
Late Night Opening Until 7pm Wednesday-Friday

Evesham ☎ 0386 • 765500
Birmingham ☎ 021 • 446 5050

Credit card orders: We do not charge the card until the goods are despatched.

Access VISA SWITCH

All goods subject to availability. Details correct at time of going to press. Prices and specifications subject to change without notice. E & O E.

ALL PRICES INCLUDE VAT.

Government, Education and PLC orders welcome.
All products covered by 12 Months Warranty.

MAIL ORDER DEPARTMENT

Monday-Friday, 9.00 - 7.00; Saturday, 9.00 - 5.30
Technical support (Mon-Fri, 10.00 - 5.00): 0386-769403

Dept. CUAM, Unit 9, St Richards Road, Evesham, Worcs WR11 6TD

Call us now on ✆ 0386-765500

Mail Order FAX: 0386-765354

Same day despatch whenever possible. Delivery on all items up to £175.00 value is free of charge. All items above this value are shipped by insured Express Courier service at £7.64 per order – normally next working day after despatch (UK mainland only, others please call). Please allow 5 banking days for cheque clearance. Immediate clearance on Bank Drafts and Building Society cheques.

MEGABOARD

CONNECTS TO YOUR 512K RAM UPGRADE TO GIVE 1.5MB

With our MEGABOARD, you can further expand your A500's memory to *a total of 2MB without* disposing of your existing 512K upgrade (must be 4 x RAM-chip type, or not exceeding 9cm in length).

ONLY £47.99

MEGABOARD needs Kickstart 1.3 to operate (Kickstart 1.3 upgrade available from us for £29.95). Installation requires connection to the GARY chip. Easy to follow instructions provided.

HAND SCANNER



At a genuine 400dpi scanning resolution, this scanner produces truly superb quality scans. Has a full 105mm scanning width, variable brightness control and 100 / 200 / 300 / 400dpi resolution. **Supplied with Daatascan Professional Version 3** scanning *and* editing software, allows real-time scanning in either line art or in up to 64 simulated grey scales. Provides powerful editing features and excellent compatibility with most DTP and Paint Packages, eg. Deluxe Paint 4, Touch-Up.

ONLY £99.99

GENLOCK PLUS



OFFERING EXCEPTIONAL VALUE FOR MONEY, the Rocgen Genlock offers levels of quality, function and sophistication not normally available in this price category.

ONLY £149.99

ZY-FI SPEAKERS



REALISE THE TRUE SOUND POTENTIAL OF YOUR AMIGA WITH THIS PAIR OF FULL RANGE ACTIVE SPEAKERS !

Your Amiga produces fine quality hi-fi stereo sound. Enjoy quality stereo sound reproduction *to the full* with this new design twin speaker system! Incorporates a built-in amplifier with separate adjustable volume controls for each speaker unit. *Speaker Dimensions 160x95x105mm (HxWxD)*

ONLY £34.08

ZY-FI PRO SPEAKERS

EXPERIENCE NEW LEVELS OF AUDIO PERFORMANCE WITH THIS NEW PROFESSIONAL TWIN SPEAKER SYSTEM.



These versatile, power amplified speakers faithfully reproduce a rich expressive sound for the discerning Amiga user. Features 15W/channel, built-in power amplifier with volume control, bass/treble controls, and detachable stands. *Speaker Dimensions 200x140x130mm (HxWxD)*

ONLY £57.58

A500 POWER SUPPLY



Genuine Commodore Amiga A500 type replacement Power Supply Unit. Good quality 'switch mode' type. Super low price!

ONLY £39.95

Replacement Power Supply for A590 Hard Disk £49.95

ROM SWITCHER

SWITCHING BETWEEN VERSIONS OF KICKSTART ON YOUR A500 IS EASY WITH OUR ROM SWITCHER!

You can improve software compatibility on your A500 Plu... By fitting our ROM switcher, you can alternate between the Kickstart 2 already resident and another version of Kickstart ROM chip, giving you the freedom of choice. Fitting is ver... simple indeed, and requires *no soldering* or special technica... knowledge. Fitting allows tw... methods of switching; eithe... by keyboard reset, or by ... external toggle switch. N.B. **Kickstart ROM not supplied. A500 Revision 5 boards wi... require circuit modification...**

ONLY £14.9...

Kickstart 1.3 ROM supplied separately .... only
Kickstart 2.0 ROM supplied separately .... only
A500 Revision 5 PCB Modification Service ....

TRUEMOUSE



WE GUARANTEE that this is the smoothest, most responsive an... accurate replacement mouse you ca... buy for the Amiga. Excellent performance, with a 300dpi resolution...

ONLY £14.9...

TRACKBALL



High performance trackball, directly compatible with ... Amiga. Plugs into mouse or joystick port. Super-smooth ... accurate - you probably won't want to use a mouse ag... after using this Trackball ! Full ... handed control. Top quality ... mechanical design, giving ... speed and accuracy every ... No driver software need...

ONLY £29.9...

TV/MONITOR



With its dedicated monitor input, ... model combines the advantages ... high quality 15" medium resol... colour monitor with the conveni... of remote control Teletext TV ... an excellent low price ! Fea... dark glass screen for impr... contrast. Price includes ...

ONLY £249.9...

ACCESSORIES

Virus Protector fits to last drive in system, protecting all drives ....
Amiga 500 Dust Cover ....
Amiga 600 Dust Cover ....

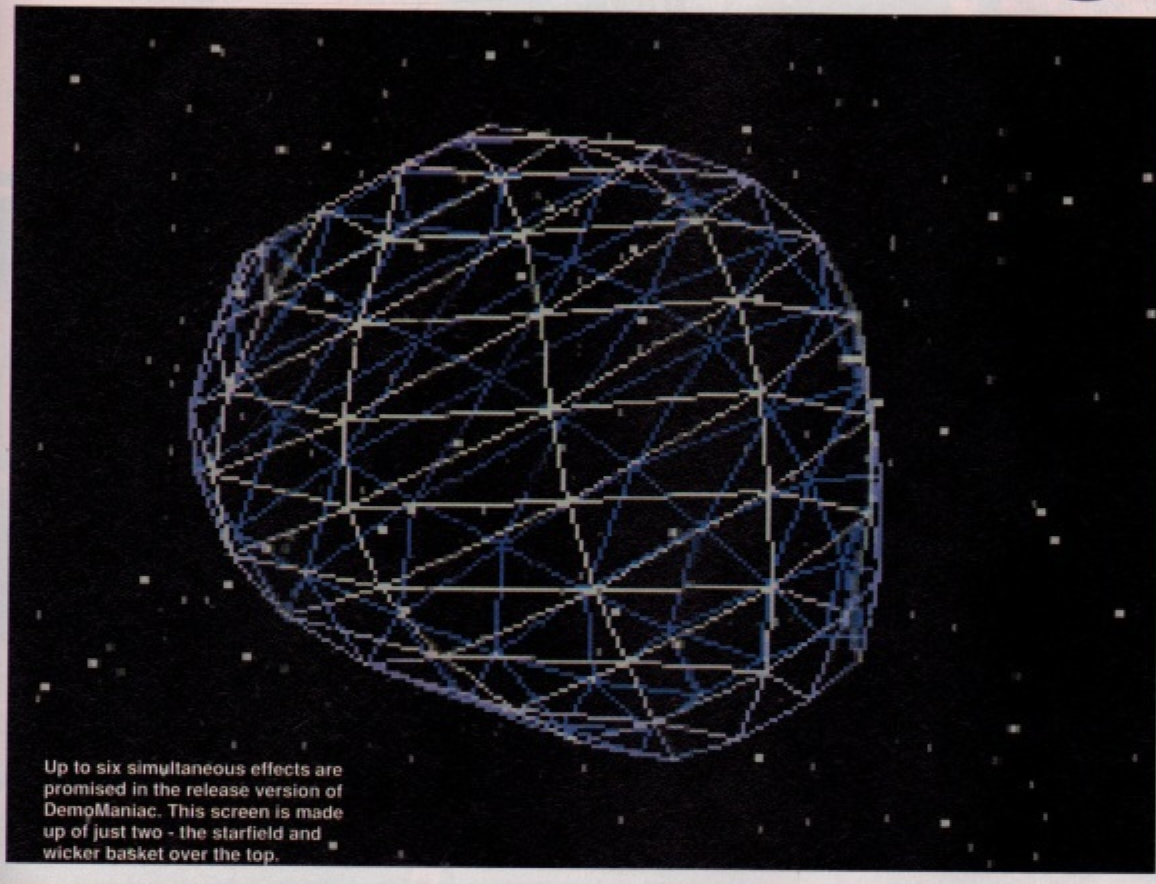
CLEARANCE ITEMS

A1200 ....
A600 ....
A1500 with monitor (CBM 1084) ....
Trackball ....
Zy-Fi Amplified Stereo Speakers ....
A500 Workstation ....
A600 Workstation ....
A590 ....
Minigen Genlock ....
VIDI Amiga Included VIDI-Chrome ....
AD Speed accelerator for A500, A500+, A1500+, A2000 ....
ICD SCSI 2080 ....
Wordworth ....
Home Accounts 2 ....
Mavis Beacon Typing tutor ....

All items are clearance lines or shop soiled/se... hand stock. All carry a full 12 months warra...

Demomaniac

"Power to the people!", as Citizen Smith would say. That's what Demo Maniac's all about – the power to perform cunning stunts of technical trickery, without having to learn the ins and outs of complex assembler programming. All of the effects on this page, and plenty more besides, are available to beginners.



Up to six simultaneous effects are promised in the release version of DemoManiac. This screen is made up of just two - the starfield and wicker basket over the top.

This is where most of the work goes on. Click on a slot in the top box, then pick your effect from the list below, simple as that.

We've all seen demos that do amazing things with the Amiga; spewing out psychedelic colours, taking us on trips through the galaxies, and pumping out pounding tunes. The trouble is, behind the hypnotic graphics and sounds are years of experience in programming the Amiga. You can't learn how to code real time bitmap zooms at 50Hz from a book – sweat, toil and plenty of ingenuity are essential if you want to cut it in the world of demos, but now that could all change, with the release of DemoManiac, potentially the most powerful piece of demo development software yet seen.

All of the graphics on this page were created with a pre-release version, but as you can see, even at this stage it's capable of producing some impressive visuals. The best part is that none of this involved even touching the keyboard, everything was compiled using just the mouse.

Simplicity is the key. The idea is that you pick your effect from the list provided, tweak its speed, colours and other parameters, then grab another effect from the list to add to the first until you get it just the way you want it to be.

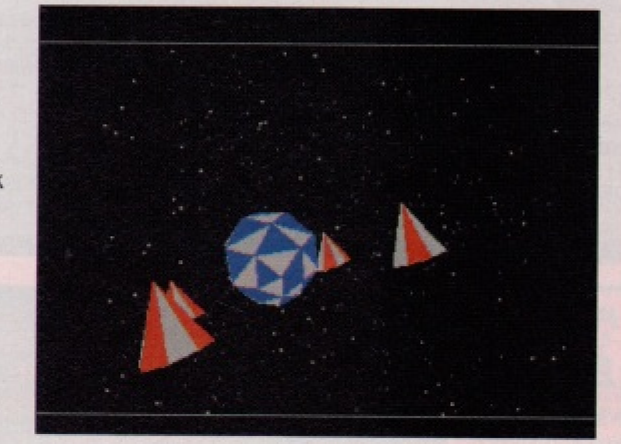
Your own logos, pictures and animations created with your favourite art package can also be loaded in too, and mixed up with the rest of the demo. IFF sound effects and tracker modules can then be added, in complete sync with all of your visuals.

VIDEO VIRTUOSO

DemoManiac could be just the ticket for adventurous DIY video producers. Whereas other video effects software can be sluggish and slow, all of the effects here are generated in real time, and the ability to mix these with animations created with dedicated animation and ray-tracing packages has huge potential.

DemoManiac should be available by the time you read this. Look out for the full review in the next issue.

Whole vector landscapes can be created from smaller objects. A vector designer will be included with the main program.





Light-sourced vectors are just one of the many built-in effects that will be included with the final release of DemoManiac.

For a free information pack, write to CU DemoManiac Infopack, Black Legend UK Ltd, Fulling Mill Barn, Mill Lane, Welwyn, Herts, AL6 9NP. Tel: 0438 840003. Price: £25.99.

FABULOUS FEATURES

- Compatible will all Amigas (1.3 A500 up to A4000/040), with auto-AGA detection.
- Synchronised graphics and sound
- Interactive effects (mouse/joystick control)
- Mouse-controlled point-and-click interface
- On-board vector and text editors
- Supports IFF animations, graphics and sound samples
- Replays tracker modules
- 20 variable effects
- Up to 6 simultaneous effects
- Provision for additional effects disks
- Ability to incorporate original effects written in assembler

CLR LICENCEWARE

CLR PRICES
THE NUMBER IN BRACKETS AFTER A TITLE DENOTES HOW MANY DISK ARE IN EACH SET

1 DISK SET	£3.50
(2) DISK SET	£4.50
(3) DISK SET	£5.50



THAT BIT BETTER THAN THE REST

(0924) 366982

EDUCATIONAL-WARE

CLE01 (2) DINOSAURS
CLE02 GEOLOGY
CLE03 (3) SOLAR SYSTEM
CLE04 COLOUR PAD
CLE05 A-CHORD V5.1
CLE06 T.A.M.I.
CLE07 (2) FISHING
CLE08 NIGHT SKY
CLE09 WORDS & LADDERS
CLE10 (3) BASICALLY AMIGA
CLE11 LET'S LEARN
CLE12 ALPHABET TEACH
CLE13 HOME-BREW
CLE14 (3) ECOLOGY
CLE15 FASTFRET V2.0
CLE16 (2) HISTORY
CLE17 THINGAMAJIG
CLE18 WORK & PLAY
CLE19 PLAY ITSAFE
CLE20 BIG TOP FUN
CLE21 JIGMANIA
CLE22 CHESS TEACHER
CLE23 MIND YOUR LANG.
CLE24 (3) SPEED READING
CLE25 CHORD COACHING V3.1
CLE26 SNAP
CLE27 (3) C.A.T.T.
CLE28 FUN WITH CUBBY
CLE29 PREHISTORIC PACK
CLE30 PEG A PICTURE
CLE31 (2) UNDERSTANDING AMOS
CLE32 (2) SPITFIRE
CLE33 (2) MESSERSCHMITTV2
CLE34 (2) YOUR FIRST PONY
CLE35 (2) SOLAR SYSTEM 2
CLE36 (2) THE TIME MACHINE
CLE37 DISCOVERY OF U.S.A.
CLE38 (2) HOME INVENTIONS
CLE39 (2) MY LITTLE ARTIST
CLE40 BOREALIS JUNIOR
CLE41 (2) BASICALLY MEDICINE
CLE42 COMPOSITION
CLE43 AMOS LANG QUIZ
CLE44 PORTRAITURE
CLE45 FUN WITH CUBBY 2
CLE46 BASIC ANATOMY
CLE47 SEA SENSE
CLE48 ROCKET MATHS
CLE49 (3) DINOSAURS 2
CLE50 (2) D.R.A.T. V2.4
CLE51 PAINT, PASTE & DRAW
CLE52 TELL THE TIME
CLE53 LETS LEARN 2
CLE54 (2) TITANIC

GAME-WARE

CLG01 NORRIS
CLG02 DARK THINGS
CLG03 PHASE 2
CLG04 X-SYSTEM
CLG05 (2) TRUCKIN' ON
CLG06 OBLITERATION Withdrawn
CLG07 WILLS WATER WORKS withdrawn
CLG08 DRAGON TILES
CLG08 DRAGON TILES AGA
CLG09 MOTOR DUAL
CLG10 FUTURE SHOCK
CLG11 ALL GUNS BLAZING
CLG12 BULLDOZER BOB

GAME-WARE CONT......

CLG13 PARADOX
CLG14 SONIC SMARTHEAD
CLG15 SPLODGE
CLG16 CRYSTAL MAZE
CLG17 IMBRIUM
CLG18 SKAN 29
CLG19 (3) STELLAR ESCAPE
CLG20 JUNGLE BUNGLE
CLG21 FLOWER POWER
CLG22 STOCKING FILLERS
CLG23 MARVIN MARTIAN
CLG24 EASY MONEY
CLG25 WHITE RABBITS
CLG26 MONSTER ISLAND
CLG27 SHYMER
CLG28 TIME RIFT
CLG29 BILLY BALL
CLG30 CAPTAIN K
CLG31 DIRTY RACKETS 1.5M
CLG32 7 BLOCKS
CLG34 BATOROONS
CLG35 CYBERNET
CLG36 OG!
CLG37 RAW
CLG38 QUINGO
CLG39 CYBALL 5
CLG40 TRAX
CLG41 F1 RACER
CLG42 CRYSTAL RACER
CLG43 (2) PIC-IT
CLG44 VIKING SAGA
CLG45 KNIGHT FIGHT
CLG46 ARCHIPELAGO CPGN

UTILITY-WARE

CLU 01 VIDEO TITLER
CLU 02 FISH INDEXER
CLU 03 TYPING TUTOR
CLU 04 ALPHAGRAPH V1.10
CLU 05 S.A.S. MENU MAKER
CLU 07 PHILO V1.12
CLU08 (2) WORD FINDER PLUS Withdrawn
CLU 09 (2) PLAY AND RAVE
CLU 10 POWER ACCOUNTS V1.10
CLU 11 CALC V1.3
CLU 12 VIRTUAL WINDOWS
CLU 13 DATOS
CLU 14 STOCK CONTROLLER
CLU 15 EPOCH PROFESSIONAL
CLU 16 X-STITCH MASTER LITE
CLU 17 LC10/LC20 FONTS
CLU 18 LC200 FONTS
CLU 19 24 PIN FONTS
CLU 20 BJ10 FONTS V2.2
CLU 21 INVOICE MASTER
CLU 22 HARD DRIVE MENU
CLU 23 F15 ANIM BRUSHES
CLU 24 RED LOTUS ANIM BRUSH
CLU 25 (2) STAR FIGHTER BRUSHES
CLU 26 (2) STAR VOYAGER BRUSHES
CLU 27 IMAGEBASE
CLU 28 ADVENTURE TOOLKIT 4.1
CLU 29 G.F.X.
CLU 30 DRAW SELECTOR
CLU 31 FLOW CHARTER
CLU 32 POWER TEXT 2
CLU 33 AM TUITION
CLU 34 IMAGE DOCTOR V1.10
CLU 35 CRITERION

OVERSEAS READERS! WHY NOT SAVE DELIVERY TIME & COSTS AND ORDER FROM AN OFFICIAL 17 BIT DISTRIBUTOR! WE HAVE DEALERS IN EUROPE, JAPAN, SCANDINAVIA, AUSTRALIA & THE U.S WHO WOULD LOVE TO HEAR FROM YOU! SEE ADVERTS ON THIS PAGE

SPECTRUM GAMES PACK
OVER 100 CLASSIC SPECTRUM GAMES FOR USE WITH *V1.7 OR *V1.6 OF THE SPECTRUM EMULATOR. 7 BURSTING DISKS FOR ONLY £10.00 INCLUDING P&P. * THE EMULATORS ARE AVAILABLE SEPARATELY

IMAGINE 3D PACK
7 DISKS FULL OF IMAGES AND TEXTURES TO USE WITH IMAGINE 3D IMAGES ARE ARCHIVED WITH LHA (AVAILABLE SEPARATELY)
THIS PACK IS NOT RECOMMENDED FOR AMIGA BEGINNERS
ALL 7 DISKS FOR £10.00 INC. P&P

AMIGA のプロショップだ!

A600DX SET V2.004	A500 V1.3 1MB RAM	A1200 V3.0 AGA	A1200HD V3.0 AGA 85MB
59,000	54,000	74,800	144,000
A2000 V2.05+ECS	A4000-030 5MB/HD120MB	A4000 68040 6MB/HD120MB	A3000-030120/4MB
108,000	269,000	378,000	258,000

■グラフィックス

SCENERY ANIMATOR 2	9.800
BRILLIANCE	27,900
DELUXE PAINT AGA	19,800
IMAGINE 2	49,600
IMAGE MASTER	27,900
RETINA 2MB	77,000
DC-TV	49,800
CALIGARI 24	48,900
ALADDIN 4D	49,800
PLAYMATION	49.800
REAL 3D CLASSIC	18,800
OPAL VISION V2.0	149,000
PIXEL 3D PRO	29,800

■エミュレーター

AMAX II PLUS	57,900
ROM FOR AMAX II PLUS	34,900
A236 BRIDGE BOARD	42,600
386SX BRIDGE BOARD	119,000
EMPLANT DELUXE	78,000
SYBILL	14,000

■ビデオ

PERSONAL ANIMATON RECORDER	298.00
IMPACT VISION 24	229,000
VIDEO TOASTER AGA	19,800
PERSONAL TBC III	149,000
MORPH PLUS	29.800
VIDI-AMIGA 12 AGA	25,900
ROCKEY CROMAKEY	62,400
THE PERSONAL SFC	72,800
AVIDEO 24	139,000
DELUXE VIDEO I	18,900
ART DEPT PRO AGA	29,800
FLICKER FREE VIDEO 2	39,800
CHROMA KEY PLUS	58,000

■言語

AMOS PROFESSIONAL	14,800
SAS/C LATICE C V6.0	39,800
DEV PAC 3	16,900

(PRICES QUOTED IN JAPANESE YEN)

■ハードディスク

GVP 0MB/0MB SCSI CONTROLLER A500	56,000
GVP 0MB/0MB SCSI CONT A4000/A2000	27,800
2121MB 2.5' HARD DISK UNIT A1200	89,000
128MB 2.5' HARD DISK UNIT	65,000
84MB 2.5' HARD DISK UNIT A12000	49,000
60MB 2.5" HARD DISK UNIT A1200	41,400
A4051 SCSI -2 HD CONTROLLER A4005	9,800

■アクセラレーター

XL30 25MHZ A500/A2000	59,000
VXL32 2MB RAM FOR VXL30	43,000
DERINGER 28MHZ A300	69,400
MERCURY 35MHZ A3000	129,000
DERINGER 50MHZ +4MB +MATH-CO A500	93,800
BLIZZARD TURBO 16MHZ A500/A2000	39,800
A1230 TURBO 40MHZ/4MB A1200	95,400
M12340XA 030 33MHZ A1200	72,800
M123XAS 030 50MHZ A2000	89.00
G-FORCE 040 33MHZ+4MB A2000	229,000
G-FORCE 40MHZ+4MB A2000	115,000
G-FORCE 50MHZ+4MB A2000	153,000
58881 MATH CO BOARD A1200	26,900
58882 MATH CO BOARD A1200	45,000
A530 TURBO HD 120MB/1MB 40MHZ	154,000

■その他

V2.1 UPGRADE KIT W/ROM	19,800
V2.1 UPGRADE KIT W/O ROM	12,000
MULTISTART II ROM SWITCHER	12,900
EXTERNAL 2HD FLOPPY DRIVE A500/A2000	24,900
INTERNAL 2HD FLOPPY DRIVE A2000	20,000
INTERNAL 2HD FLOPPY DRIVE A3000	20,000
BACKUP BUDDY FLOPPY DRIVE	25,900
TOSHIBA 1.2GIG HARD DRIVE	230,000
ASIM CD-ROM FS	14,900
SIMM RAM 4MB 60NS A400	30,000
SIMM RAM 4MB/MBX COPRO BOARD	25,000
SIMM RAM 8MB/MBX COPRO BOARD	53,800
DIGIVIEW MEDIASTATION	29,400
CLARITY 16	29,400
SIMM32 4MB RAM 68030	26,900
DSS8 PLUS	18,900
MEGA MIX MASTER	9,800
PCM CIA 2MB A600/A1200	32,900
SUPER GEN GENLOCK	99,000
BACKUP CLOCK A1200	8,900
V.LAB 24 BIT	78,200
CLOCK GENLOCK	68,900
A12-FPOO SCSI A1200	46,800
1942 QUADSYNC MONITOR	79,800
KITCHEN SYNC	227,000
EUREKA SCANNER 400DPI	27,600

店頭・通販
輸入直販
木曜定休

a beautiful amiga life for you

システムコンパック

〒110 東京都台東区台東4-22-10
中[illegible]ビル3階
TEL: 03-3837-8689
FAX: 03-3837-8218

NORTHWEST PUBLIC DOMAIN

CD Rom Bonanza!

17Bit CD Collection vol. 1 (2 CD's) $39.95
NEW! 17Bit CD Collection vol. 2 (1 CD) $19.95
17Bit CD Collections 1&2 only $54.95
Aminet CD (Walnut Creek promised the new one by Mid - February 1994) - $15.95
DemoCD 1 (Games Music&Mods) $27.95
DemoCD 2 (Same as above, Newer) $27.95
CDPD 2 (Fish 660 - 760, clipart, utils) $25.95
CDPD 3 (Fish 761-890, 24 bit pix, etc) $27.95
FRESH FISH (FISH 910-- and more) $20.00

New and Exclusive from NorthWest Public Domain!!

Lock -N- Load

The ULTIMATE AMIGA PD / Shareware Games Compilation!! How about 1,000 Games and Commercial Game Demos? All runnable from Work-Bench! Compatible with CD32 / CDTV, A570 and any External Amiga CD-Rom Drive! How Much?!

ONLY $22.49 (+$2.00S&H)

Dealer Enquiries Welcome!

DON'T FORGET!!!!
WE CARRY THE FULL LINE OF 17 BIT DISKS, AS WELL AS ANYTHING ELSE YOU MIGHT HAVE SEEN OR HEARD ABOUT!!

AM/FM - NORTHWEST PUBLIC DOMAIN IS NOW THE EXCLUSIVE U.S. DISTRIBUTOR FOR THESE OUTSTANDING MUSIC MAGAZINE DISKS and Companion Sample Disks ! PRICES: AM/FM - $5.00 (get the AM/FM disk and companion Sample disk for $8.00)

CLR LICENSEWARE - We carry the full line of CLR LICENSEWARE, ALL of 'em! PRICES:

1 DISK TITLE - $5.50
2 DISK TITLE - $6.50
3 DISK TITLE - $7.50

(SHIPPING AND HANDLING FOR AM/FM AND CLR LICENSEWARE DISKS IS THE SAME AS FOR OUR REGULAR DISKS!)

Send $2.00 FOR OUR FULL CATALOG DISK!

New Assassins Games Disks:(Call for free list!)
ASI 139 - The Big Game, Bat Dog, Amiganoid
ASI 140 - Fatal Mission 2, Chronic the Hodge Heg, and Megaworm.
ASI 141 - Black Dawn, Reversi II, Gold Rusher.
ASI 142 - Rueda, Galaxy '93, Courtroom.
ASI 143 - Intense, XAtoms, Pontoon(Cardgame)
ASI 144 -BrainShave, Nibby Nibble, Rejection.
ASI 145-Puzzword, KungFu Charlies, Super Pong
ASI146 - Entity, BattleCarsII, AmasterMind III
ASI 147 - BackGammon Deluxe, Tut's Tomb (Card game), Mancala, Parattack
ASI 148 - PollyMorph, Nostalgium, MegaMind
REMEMBER! ANY 10 ASSASSINS GAMES DISKS FOR ONLY $15.00 + $2.00 S&H!!

NEW NPD DISKS:
DEM 163 - ABSTRAX PIG Demo - Great new AGA only Demo, opens a 1280x400 overscan screen!
GAM 271 - RUBICON - Nice looking Role Player.
GAM 272 - MEGABALL 3 - All new with AGA graphics support. Same great game,more colors
GAM 273 - MINE RUNNER - Awesome recreation of the classic Lode Runner game!!
UTI 147 - MAGICWB - The ultimate WorkBench Enhancement. Requires WB 2.0 or Higher.
UTI 148 - DISKSALV v2 and REORG v3.1 - Two utils that no Hard Drive user should be w/o. WB 2.0.

NEW PRICING!!!!
For 17 Bit, NPD, AMOS PD and ASSASSINS Games Disks pricing is now as follows:
1-24 Disks - $2.00 Ea. 25-49 Disks - $1.50 Ea. 50+ Disks - $1.00 Each!
FRED FISH DISKS ARE NOW:
1-49 Disks - $1.50 Ea. 50+ Disks - $1.00 Ea.
SHIPPING & HANDLING:
1-10 Disks-$2.00, 11-50 Disks-$4.00
51+ Disks $6.50 (S&H Prices for US, CANADA, and MEXICO,all other Foreign countries add $0.25 per disk)
We accept Cash, Checks, and Money Orders in US funds, as well as VISA/MC

P.O. Box 1617 - Auburn, WA 98071-1617 (206)351-9502



United Public D

The innovators

Look out for the CLR logo!

Most CLR titles ok on A1200!

.. The Central Licenseware Register ..

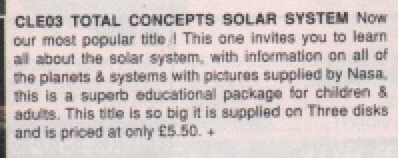
Commercial Quality programs at a PD price!

Most CLR titles ok on A1200!



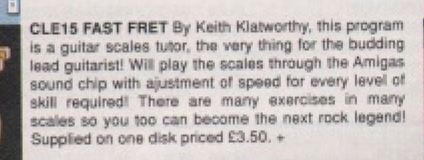
CLE02 TOTAL CONCEPTS GEOLOGY This title is the second in the series of quality programs by Chris hill, using the GoldDisk Hyperbook system, it will guide you and your children on an interactive guided tour through the incredible world of volcanos, rocks and minerals. Two disks only £4.50. +

CLE03 TOTAL CONCEPTS SOLAR SYSTEM Now our most popular title ! This one invites you to learn all about the solar system, with information on all of the planets & systems with pictures supplied by Nasa, this is a superb educational package for children & adults. This title is so big it is supplied on Three disks and is priced at only £5.50. +

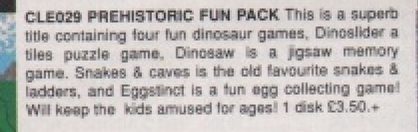


CLE05 A-CHORD So you want become the next Eric Clapton then this is just what you need ! This program will teach you nearly every single guitar chord including fingering techiniques, it will even play the chords using the amigas built in sound chip. A must for every single guitar player beginner and experts alike. Price £3.50 +

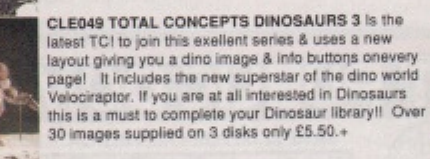
CLE15 FAST FRET By Keith Klatworthy, this program is a guitar scales tutor, the very thing for the budding lead guitarist! With play the scales through the Amigas sound chip with ajustment of speed for every level of skill required! There are many exercises in many scales so you too can become the next rock legend! Supplied on one disk priced £3.50. +



CLE029 PREHISTORIC FUN PACK This is a superb title containing four fun dinosaur games, Dinoslider a tiles puzzle game, Dinosaw is a jigsaw memory game. Snakes & caves is the old favourite snakes & ladders, and Eggstinct is a fun egg collecting game! Will keep the kids amused for ages! 1 disk £3.50. +

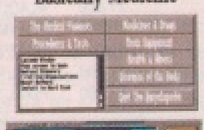


CLE035 TOTAL CONCEPTS SOLAR SYSTEM 2 In this sequel to our most popular title, Chris Hill brings you the very latest on the Solar System! All the very latest planetary missions are covered & if you thought the images in TC! Solar System were good wait until you see these 40+ images! This is a must if you have TC! Solar System. Supplied on 3 disks only £5.50.+

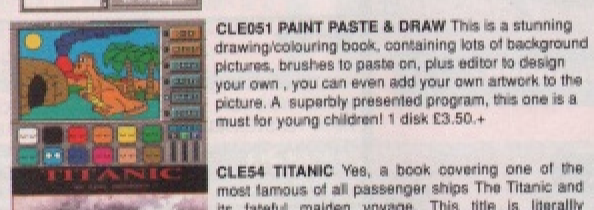


CLE049 TOTAL CONCEPTS DINOSAURS 3 Is the latest TC! to join this exellent series & uses a new layout giving you a dino image & info buttons onevery page! It includes the new superstar of the dino world Velociraptor. If you are at all interested in Dinosaurs this is a must to complete your Dinosaur library!! Over 30 images supplied on 3 disks only £5.50.+





CLE41 BASICALLY MEDICINE A title written by members of the St John's Ambulance brigade, this is a superb title covering Diseases,treatment, Medicine & Drugs, Health & Illness, Basic equipment needed & the medical pioneers who helped create modern Medicine! A really useful title. Comes on two disks 4.50. +



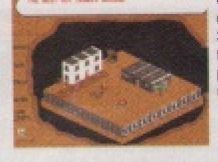
CLE051 PAINT PASTE & DRAW This is a stunning drawing/colouring book, containing lots of background pictures, brushes to paste on, plus editor to design your own , you can even add your own artwork to the picture. A superbly presented program, this one is a must for young children! 1 disk £3.50.+

CLE54 TITANIC Yes, a book covering one of the most famous of all passenger ships The Titanic and its fateful maiden voyage. This title is literally crammed with facts and figures on one of the most fascinating ships of all time, a ship which was thought to be unsinkable! Comes on 2 disks and is priced at £4.50. +

CLU03 TYPING TUTOR A program here now for all you budding office clerks, learning to type can be a real pain, lessons cost a fortune, but not when you have an amiga ! This program will take you step by step through a full typing course, showing where to place your fingers and lots more. Before long you'll be able to type as fast as I can ! Price £3.50 +

CLU032 POWERTEXT 2 This is a superb & powerful wordprocessing program, featuring embedded commands, automatic saving, Mail merging, built in spelling checker, user definable function keys, wordwrapping & much much more! You will probably never need any more than this ! Needs 1 mg of ram. 1 disk £3.50.+

CLG041 F1 RACER This is a very professional game, 3d graphics in a Formula one type vein as viewed from the driving seat. Speed is subject to the speed of your machine (it really zooms on an Amiga 4000!) Lots of fun for anyone who likes driving games with superb graphics & sound! Very impressive game . 1 disk £3.50. +



CLG042 CRYSTAL SKULL This was written as a commercial release but was never released! It is a full 3d role playing "Dungeon Master" type game, speak to passers by, kill them, investigate any one of 4 pyramids with all its ghosts & goblins. This will keep up your interest for ages! 1 disk £3.50.+

MORE CLR EDUCATIONAL!

CLE01 TOTAL CONCEPTS DINOSAURS Superb book! 2 disks 4.50+
CLE07 TOTAL CONCEPTS FRESHWATER FISHING 2 disks 4.50 +
CLE08 NIGHT SKY Exellent guide to the stars. 1 disk 3.50. +
CLE09 WORDS & LADDERS Good spelling program. 1 disk 3.50.+
CLE10 BASICALLY AMIGA guide to Amigados! 3 disks 5.50. +
CLE11 LET'S LEARN For children of 5-7 years. 1 disk 3.50. +
CLE12 ALPHABET TEACH spelling program for the kids!1 disk 3.50+
CLE13 HOME BREW Create your own brews! 1 disk 3.50. +
CLE14 TOTAL CONCEPTS ECOLOGY Learn ecology 3 disks 5.50. +
CLE16 KINGS & QUEENS A history lesson! 2 disks 4.50.+
CLE17 THINGAMAJIG An electronic jigsaw. 1 disk 3.50. +
CLE18 WORK & PLAY 3 educational programs: 1 disk 3.50. +
CLE19 PLAY IT SAFE Teaches safety in the home, 1 disk 3.50. +
CLE20 BIG TOP FUN Four programs 1 disk 3.50. +
CLE21 JIGMANIA Jigsaw solving & construction set! 1 disk 3.50! +
CLE22 CHESS TEACHERteach chess in a fun way! 1 disk 3.50. +
CLE23 MIND YOUR LANGUAGE improve speech 1 disk 3.50. +
CLE24 SPEED READING Tests your reading speed 2 disks 4.50. +
CLE25 CHORD COACH This is a superb Piano Tutor, 1 disk 3.50. +
CLE26 SNAP An educational game for languages, 1 disk 3.50. +
CLE27 C.A.T.T. Superb Tarot reading program.. 2 disks 4.50! +
CLE28 FUN WITH CUBBY 6 superb games for kids! 1 disk 3.50.+
CLE30 PEG A PICTURE Make pictures with pegs 1 disk 3.50. +
CLE31 UNDERSTANDING AMOS(NEEDS AMOS) 2 disks 4.50. +
CLE32 SPITFIRE! The legendary WWII fighter! 2 disks 4.50.+
CLE33 MESSERSCHMITT BF109 And the German! 2 disks 4.50.+
CLE34 YOUR FIRST PONY All you need to know! 2 disks 4.50.+
CLE36 THE TIME MACHINE Teaches kids to tell time, 2 disks 4.50.+
CLE37 DISCOVERY AMERICA Learn about the USA! 1 disk 3.50. +
CLE38 HOME INVENTIONS inventions since 1750. 2 disks 4.50.+
CLE39 MY LITTLE ARTIST colouring book Needs 1mg 2 disks 4.50.+
CLE40 BOREALIS JUNIOR Drawing for young children 1 disk 3.50.+
CLE42 COMPOSITION Photograph Tutorial disk. 1 disk 3.50.
CLE43 AMOS LANGUAGE QUIZ Helps learn Amos. 1 disk 3.50+
CLE44 PORTRAITURE 2nd photo tutorial program. 1 disk 3.50+
CLE45 FUN WITH CUBBY 2 Another 7 fab kids games! 1 disk 3.50+
CLE46 BASIC HUMAN ANATOMY Good for education 1disk 3.50.+
CLE47 SEA SENSE Learn all about boats! 1 disk 3.50. +
CLE48 ROCKET MATHS Easy maths for kids! 1 disk 3.50. +
CLE50 DRATV2 A Runecaster+ Translator, needs1.5mg 2 disks4.50+
CLE52 TELL THE TIME Just what the kids need 1 disk 3.50+
CLE53 LET'S LEARN 2 Super early learning disk! 1 disk 3.50+
CLE55 BASICALLY BASIC Learn Basic programming 1 disk 3.50.
CLE56 BASICALLY CHEMISTRY A good Chemistry Tutor! 1 disk 3.50.

MORE CLR UTILITIES

CLU01 VIDEO TITLER Create video titles! 1 disk 3.50! +
CLU04 ALPHAGRAPH for producing Bar & Pie charts etc! 3.50. +
CLU06 SUPERSOUND V4.7 Superb sampling software 3.50.
CLU10 POWER ACCOUNTS account statements, etc 3.50.+
CLU11 CALCV1veryuseful spreadsheet program! 1 disk 3.50. +
CLU12 VIRTUAL WINDOWS Notebook Address book1 disk 3.50.+
CLU13 DATOS A powerful database, many features. 1 disk 3.50. +
CLU14 STOCK CONTROLLER Keep track of stocks 1 disk 3.50 +
CLU15 EPOCH VI calendar for Amiga,1299 yr diary 1 disk3.50.+
CLU16 CROSS STITCH good needlework program,1 disk 3.50 +
CLU17 LC10 FONTS Nice fonts for Star LC10 printer! 1 disk 3.50.+
CLU18 LC200 FONTS Fonts for your LC200 printer! 1 disk 3.50. +
CLU19 LC24 FONTS Fonts for your Star 24 pin printer.1 disk 3.50 +
CLU20 CANON BJ10. Super Fonts for Bubblejet 1disk 3.50+
CLU21 INVOICE MASTER Sort out your invoices! 1 disk 3.50. +
CLU22 HARD DRIVE MENU Superb hard drive utility! 1 disk 3.50.+
CLU27 IMAGE BASE Simple authoring package 1 disk 3.50. +
CLU28 CREATIVE ADVENTURE TOOLKIT Needs 1mb chip . 3.50+
CLU29 G.F.X. Graphics convertors, sprite editors etc! 1 disk 3.50+
CLU30 DRAW SELECTOR V2 pools prediction prog 1 disk 3.50+
CLU31 FLOWCHARTER For creation of flowcharts! 1 disk 3.50+
CLU33 AM TUITION Create WB3 look & feel progs 1disk 3.50+
CLU34 IMAGE DOCTOR V1 Image processing 1 disk 3.50.+
CLU35 CRITERION Database for Photographers etc1 disk3.50+
CLU36 ILINOIS PROFESSIONAL Fab labelling system 2 disks4.50
CLU37 FIND IT This is a superb directory utility! 1 diiisk 3.50

MORE CLR GAMES

CLG06 TRUCKIN ON Truck management simulation 2 disks 4.50 +
CLG08 DRAGON TILES Superb version very addictive 1 disk 3.50 +
CLG12 BULLDOZER BOB Clear screen of blocks! 1 disk 3.50 +
CLG13 PARADOX Another good puzzle game! 1 disk 3.50 +
CLG15 SPLODGE THE ESCAPE puzzle platformer 1 disk 3.50+
CLG16 CRYSTAL MAZE A super puzzle game! 1 disk 3.50.+
CLG17 IMBRIUM Exellent graphic adventure! 1 disk 3.50+
CLG20 JUNGLE BUNGLE Nice adventure game! 1 disk 3.50. +
CLG21 FLOWER POWER Gro before bugs eat them1 disk 3.50+
CLG24 EASY MONEY fruit machine simulator! (Not dos 2 or 3) 3.50.
CLG25 WHITE RABBITS This is a good puzzle game! 1 disk 3.50 +
CLG26 MONSTER ISLAND Dungeon Master game! 1 disk 3.50.+
CLG28 TIME RIFT Game played over 4 time zones! 1 disk 3.50.+
CLG35 OG Prehistoric caveman rescues girlfriend! 1 disk 3.50.+
CLG39 CYBALLS Steer orb through a vast maze! 1 disk 3.50+
CLG40 TRAX A fruit machine with a difference! 1 disk 3.50+
CLG43 PIC IT Trivia game for 2-5 players. 1 disk 3.5+
CLG44 VIKING SAGA Graphical strategy game. 1 disks 3.50+
CLG45 KNIGHT FIGHT 2 player martial arts game. 2 disks 4.50+
CLG46 ARCHIPELAGOS CAMPAIGN Conqueror the world! 1 disk 3.50+
CLG47 KIDS FUN PACK 3 great kids games 1 disk 3.50+
CLG48 THE LOST PRINCE An exellent graphic adventure 2 disks 4.50+
CLG49 SPACE POWER Gravity type shoot em game 1 disk 3.50+
CLG50 HAIRPIN 2 Overhead view racing game. 1 disk 3.50+
CLG51 TEN PIN BOWLING Ten pin bowling & Logic circuit 1 disk 3.50+
CLG52 ADVENTURE CREATOR Make your own adventures. 1 disk 3.50+

BOULDERDASH GAMES

We now have over 100 (YES 100!!!) Boulderdash games in this mammoth collection. All work on any Amiga 500, 600 or 1200!!

BG001 EMERALD MINES 01
BG002 EMERALD MINES 02
BG003 EMERALD MINES 03
BG004 EMERALD MINES 04
BG005 EMERALD MINES 05
BG006 EMERALD MINES 06
BG009 EMERALD MINES 09
BG010 EMERALD MINES 10
BG011 EMERALD MINES 11
BG012 EMERALD MINES 12
BG013 EMERALD MINES 13
BG014 EMERALD MINES 14
BG015 EMERALD MINES 15
BG016 NO ONE MINES 01
BG018 NO ONE MINES 03
BG020 NO ONE MINES 05
BG021 NO ONE MINES 06
BG022 NO ONE MINES 07
BG023 NO ONE MINES 08
BG024 NO ONE MINES 09
BG025 NO ONE MINES 10
BG026 NO ONE MINES 11
BG027 NO ONE MINES 12
BG028 NO ONE MINES 13
BG029 NO ONE MINES 14
BG030 NO ONE MINES 15
BG031 EASY RUPPLE MINE
BG032 RUPPLE MINE 1
BG034 RUPPLE MINE 3
BG035 RUPPLE MINE 4
BG036 RUPPLE MINE 5
BG039 DOWN UNDER MINES 3
BG040 DOWN UNDER MINES 4
BG041 DOWN UNDER MINES 5
BG043 DOWN UNDER MINES 7
BG046 DOWN UNDER MINES 10
BG047 DOWN UNDER MINES 11
BG048 DOWN UNDER MINES 12
BG049 DOWN UNDER MINES 13
BG050 DOWN UNDER MINES 14
BG051 RECYCLED MINES 01
BG052 RECYCLED MINES 02
BG055 RECYCLED MINES 05
BG056 RECYCLED MINES 06
BG057 EAT MINES 01
BG058 EAT MINES 02
BG060 MARATHON MINES 02
BG061 MARATHON MINES 03
BG062 OZ MINE 01
BG063 OZ MINE 02
BG064 VENOM MINE 01
BG065 VENOM MINE 02
BG066 DE BOND MINE 01
BG067 DE BOND MINE 02
BG068 DE BOND MINE 03
BG071 DE BOND MINE 06
BG072 EMERALD RUNNER 01
BG073 EMERALD EATER
BG074 EMERALD HEAD
BG075 COLD CAVES
BG076 INTO THE COLD CAVES
BG077 PRO ICE MINE 01
BG078 PRO ICE MINE 02
BG079 ACE MINE 01
BG080 INTO THE HISTORY HOLE
BG081 INTO THE CRUSTY MINE
BG082 LADYBIRD MINE KIDS
BG083 BABY GHOST MINE 01
BG084 BOULDERDASH 04
BG085 BOULDERDASH CONSTRUCT KIT
BG086 BOULDERDASH COLLECTION 01
BG087 PRO BOULDERDASH 01
BG088 OFFICIAL BOULDERDASH
BG089 WONDER MINE
BG090 POOH MINE
BG091 EXEPTION 01

ASSASSINS GAMES PACKS

The best selection of PD games ever assembled anywhere now all autoboot on A1200! (though not all games will run)Something for everyone!

ASI 1 Taro, Rollerpede, Avatris Amigoids etc!+
ASI 2 Invaders,Bally 2,Missile command etc!+Y
ASI 3 Megaball & Drip Superb gamepack! +Y
ASI 4 Frogger Go Moku,Cracker Jumpy etc!+
ASI 5 Raid, Go Loony & Retaliator+Y
ASI 6 Pacman Downhillchallenge Welltris etc!+
ASI 7 Moonbase, Trix,Nightworks Clauderunner!+
ASI 8 Airace2,Hball,Snakepit & Numberfumbler!+Y
ASI 9 Features Battle pong & Blizzard! + Y
ASI 10 Escape, Pipeline, Pickout & Sys!+
ASI 11 Dad, Connex,Reversi Towers & Trippin+
ASI 12 Llamatron, Car, Powerpong, XFI. Fab!!+
ASI 13 Twintris, Squamble,Block It,Ball etc!+
ASI 14 ChinaChallenge2 & Amiga Columns!+Y
ASI 15 Battlecars Lettris & Mambamove!Y
ASI 16 Wastelands, Mission X,Dellemna,Pacman +Y
ASI 17 Tomcat, Defenda, Jetman Bugblaster+ Y
ASI 18 Henry in Panic Skyflyer Omega race!+ Y
ASI 19 Growth,FranticFreddy,Biplane & more!+NOT600
ASI 20 Microbes Hollywood trivia Coin drop +Y
ASI 21 Zeus Tetris Battlements & Dragontiles+Y
ASI 22 Lemmingoids,Wizzys quest Duel Mouthman+Y
ASI 23 Quick money,BIP,Interferon Arcadia+
ASI 24 Revenge of camels Dux Croak 3dmaze etc!+Y
ASI 25 Mr Brick,Copper,hemeroids,E Type+Y
ASI 26 Superpacman 92 Smasher Ashido System 4etc+
ASI 27 Addictive card games. Really good!+Y
ASI 28 Doody, DrMario, Invaders2, Madbomber2+
ASI 29 DOG, Rome, Nova, B-Bal, Atax, Quadrix+Y
ASI 30 Bounce & Blast, Total Fire Tank attack!+Y
ASI 31 Aramaz,Crazy pipe, revolation etc!+ Y
ASI 32 Blob, Sector one & Firefighter! +Y
ASI 33 Hyperball & War! 2 good games+Y
ASI 34 Trailblazer, Yelp, Qbic Rushour! +Y
ASI 35 Poing,Snakepit,Cybernetix Jump n roll!+Y
ASI 36 Mother lode, Wonderland, Kong Tactix!+Y
ASI 37 Klaktris, Ghostship, Paccer etc!+Y
ASI 38 One on One,Baldy,Skyflyer2,Transplant!Y
ASI 39 Lots of card games on this disk! +Y
ASI 40 Disk full of sliding puzzle games!+Y
ASI 41 Pacman deluxe, Hellzone Leap II etc+
ASI 42 Galaga, Intruder alert Dogs in space!+
ASI 43 Interlock Roulette Octothello etc!+Y
ASI 44 Nibbler,Mouse Impossible,Roll on etc+Y
ASI 45 Dris,Paccheese,B-Castle Tesenso etc+Y
ASI 46 Amiga Q. City,Checkers, Ouch etc! + Y
ASI 47 Elevation, Parmyre,Crave,Arena! + Y
ASI 48 Point to point,Psycho santa etc! +Y
ASI 49 Deathbringer in space Sue 1+2 etc!+Y
ASI 50 Euphoria,Roach Motel,Balders grove! +Y
ASI 51 Lamers, Fighting Warrior Shapes! +Y
ASI 52 Rockslide, Mouthman, & Nu! +
ASI 53 Venus Invaders,Mastermind etc! + Y
ASI 54 Serene,Serene II & Car Wars! + Y
ASI 55 Cli-tris, Pacatac & Asteroids! + Y
ASI 56 Stormeagle, Extreme Violence & Tiles!+Y
ASI 57 Poo-poo Dominoes Dizzy diamonds Squares+Y
ASI 58 Super raid 4 Magnatron & Maimouse!+Y
ASI 59 Turbo thrust OX200 & Lowlings! +Y
ASI 60 Pipe master2 Alien Hunter & Checkers! +Y
ASI 61 Rattlesnake Running Chaser Scud blaster+Y
ASI 62 Pipeline2 Mazeman & Up and Down ! +Y
ASI 63 Nautilus Frenzy & Drive III! +Y
ASI 64 Oblivion(ah!) Breakout con kit etc!+Y
ASI 65 Paranoids Chess Word Puzzle Word search+Y
ASI 66 Cow wars Aamastermind & Asokoban! +Y
ASI 67 Siege of the Beast,E Type II & Vektor!+Y
ASI 68 Demolition Mission,Bounder & Atoms!+Y
ASI 69 Klondike,Celestial Apoker Bridge etc!+Y
ASI 70 Digital Tetris, Wangle & Tetris pro!+Y
ASI 71 Numeris, Battleships & Vs Tanks! +Y
ASI 72 Escape pre, Boulderdash(not 1200) Carll+Y
ASI 73 Lexxis, Concentration & Challenger!+Y
ASI 74 Crazy pipes II,Bombjacky & Chute! +Y
ASI 76 Gnu Chess, Cubus & Gerb! +Y
ASI 77 Balloonacy, Cliff hanger & Descender! +Y
ASI 78 Little Boulder, Headgames Fruit Panic! + Y
ASI 79 Gray Attack,Boulderdash collection II & Atoms! +Y
ASI 80 Army Miner Flip it,Golf The Gallows etc +Y
ASI 81 Amos Defence, Thunder Tron & Gergandela! +Y
ASI 82 Artillerys Shuttle run & Arcade Volleyball+Y
ASI 83 Loadsamoney, Pong & Spider(cards)! +Y
ASI 84 Enigma, Adaboo & Zerberk! +Y
ASI 85 Paradox pre, Matchcards,Rubik & Bagitman! +
ASI 86 Smurfhunt,Lords of Host,Legend of Lothian,+Y
ASI 87 Aztec Challenge,Jonas Fullstrand & Landmines+
ASI 88 Defender, Relayer & Mosaic! +Y
ASI 89 Megaball 2.1, X fire and Chaotic!+Y
ASI 90 Flashbier, Startans & Minefield! +Y
ASI 91 Roton, Matrix & Spectrum! +Y
ASI 92 Bill, Oblidon, & Solitaire Sampler! +Y
ASI 93 Smash bang wallop, Mr Munk & Alien bash!+
ASI 94 Super skoda challenge,Merchamoid & Giddy! +
ASI 95 Premier pics,Tangle,Bop & Flop & Super league man+
ASI 96 Dungeon Flipper,Backgammon Tumble into rasterbike+
ASI 97 Bunnyblast,Mutants from Mars, New stable city!+Y
ASI 98 Skychase The Phone company & Nestor cards! +Y
ASI 99 Gribit, Paranormst, Space Wars & Org! +Y
ASI 100 Bloodrunner, Patience & Monaco! +Y
ASI 101 Meltdown, Paragon Boomerang & Rothello! +Y
ASI 102 Fruit Salad, Rebound & Pacsim! +Y
ASI 103 The Lost Occrest, Wacky wabbit & Megamace!+Y
ASI 104 Wooden Ball, Operation meteor & Pork a pork!+Y
ASI 105 Particle man,Rummy & Desert defender! +Y
ASI 106 Simon,Cosmoroids II Willy worm & Micro market!+Y
ASI 107 Serene III, 4 row 3d Equalog & Yacht C ! +Y
ASI 108 Strikeball, Ringwar, Four in a row & Obsess! +Y
ASI 109 Psyco blast,King high,Deluxe hamburg Thrallbound+Y
ASI 110 Space rescue Tiles Zerg & Huskamos! +Y
ASI 112 Thunderton II Aliens Tron & Step 2! +Y
ASI 113 White rabbits preview,Trek trivia & Popeye!!! +Y
ASI 114 International Cricket pre,Insectoids II & Yum yum! +Y
ASI 115 Star trek shoot up,Egyptian run Slime line & Shark!+Y
ASI 116 Blue Diamonds4 Tech & Sorry! +Y
ASI 117 AirWarrior, Triple Yachtzee & Youpi! +Y
ASI 118 Zombies, Armyminer 14 & The last Tetris! +Y
ASI 122 Boulderdash collection,Project Buzzbars& Xenon!!!+Y
ASI 124 Mr & Mrs, Elevation II & Hater backgammon! +Y
ASI 125 Namegame, Marbleslide & Snake! +Y
ASI 126 Short out, Kynaston Kid & Dodge em! +Y
ASI 127 Shanghai 93, Lazer Zone & Oxo! +Y
ASI 128 Space Invasion,Deluxe pacman1.4& Solarsys wars+Y
ASI 130 Chain Reaction, Batman & Uggo! +Y
ASI 134 Cross circuit, Fwuff & Circuit wars! +Y
ASI 135 Gammon 1.3,Ack-Ack, Pipeline3 & Tetrix! +Y
ASI 137 Blockster, Escapade & Squigs! +Y
ASI 138 Galactoid, Scorched Tanks & Air hockey! +
ASI 140 Fatal Mission II,Chronic hedgehog Megaworm+Y
ASI 141 Black dawn, Reversi II & Gold Rusher! +Y
ASI 142 Randa, Galaxy 93 & Courtroom! +Y
ASI 143 Intense, Xatoms & Pontoon (cards). +Y
ASI 144 Brain shave,Nibbly nibble,Rejection & Cube.+Y
ASI 145 Puzzword, Kung Fu Charlie & Super Pong! +Y
ASI 146 Entity,Battle cars II,Amastermind & Classic solitaire+Y
ASI 147 Backgammon Deluxe,Tuts Tomb,Mancala & Paradise
ASI 148 Pollymorf,Nostalgism & Megamind! +Y
ASI 149 Glodrick, Web2 & Eric watch your step! +Y
ASI 150 D-Solve, Dot to dot, & Tactik tank. +Y
ASI 151 Krillian Incident,Caffeine free & Zyrad. +Y
ASI 152 Klawz,Dictator 2 & Big will & Sticky Troll+Y
ASI 153 Exit 13 & Beetle game! +Y
ASI 154 Wackman, Bobs Garden & Kaboom. +Y
ASI 155 Megblock, Digger & Crazy clock. +Y
ASI 156 Darts,Quackers & Karate Champ.+Y

LATEST ASSASSINS

Always in stock. We currently have from 1-158 in stock!



COMPTECH PRO COMMERCIAL CLIPART!

This is a brand new range of clipart designed exclusively for UPD! These images are of very high quality and detail and are priced at 3.50 per disk! All images are in IFF format and may be imported into most packages! PC versions available!!

CT001 TRIASSIC DINOSAURS CLIPART The first age of Dinosaurs! only 3.50!+
CT002 JURASSIC DINOSAURS CLIPART 1 Suberb quality clips! only 3.50!+
CT003 JURASSIC DINOSAURS CLIPART 2 More super Jurassic art! only 3.50!+
CT004 CRETACEOUS DINOSAURS CLIPART 1 This is T rex's era! only 3.50!+
CT005 CRETACEOUS DINOSAURS CLIPART 2 Triceratops, T rex etc only 3.50!+

UTILITIES

PU002 A-GENE Good genealogy program + Y
PU004a/b A64 EMULATOR NEW VERSION 2.0 (2)
PU005 AMATEUR RADIO 1 Interest to radio hams + Y
PU012 ASI GRAFFIX UTILS graphics convertors etc+Y
PU013 ASI BOOT UTILITIES bootblock utilities + Y
PU021 C-LIGHT RAY TRACER Good program+ Y
PU022 CHEMESTHETICS molecule displayer + Y
PU037 D-COPY The best PD disk copier & more + Y
PU039 DBW The forerunner to Skulpt 3D !!! + Y
PU055 ELECTROCAD DEMO circuit designer +
PU062 GRAPHICS UTILITIES Various misc. programs+Y
PU063 HAMLAB PRO V2.08Convert VGA PC >IFF/HAM + Y
PU064 HARDDRIVE UTILS MRBackup & FixDisk & more+Y
PU065 ICONMANIA Program icons & more !+ Y
PU066 ICONS Cramm packed with icons !+ Y
PU067 IMPLODER V4.0 Megacrunching Util+ Y
PU069 JAZZBENCH Alternative Wb for 1.2/3 users.
PU071 JR COMM 1.02 Modem users comms package Y
PU072 METALLION UTILS Font Editors & more utils+ Y
PU073/76 KING JAMES BIBLE Old&New testaments (4)+ Y
PU078 M-CAD Hires design package. Excellent + Y
PU080 MESSY-SID 2 Read/Write PC Files, Brilliant!+ Y
PU083 MORSE PROGRAMS for the radio hams. Y
PU086/7 NORTH C 1.3 (2) Complete C compiler & libs+ Y
PU088 NORTH C 1.3 This is the packed 1 disk version!+Y
PU097 PRINT STUDIO V1.25 Prints pics & text etc.+ Y
PU108 ROT A simple 3D drawing package.Very popular.+Y
PU109/10 (2 disk) Structured clipart for Ppage + Y
PU112/3 SOMETHING FOR NOTHIN Video Utils&Fonts+ Y
PU115 ST EMULATOR Run Atari ST software !! 2 Drives
PU121/2 TV GRAPHICS Dpaint backdrops&Fonts+(2) Y
PU124 ULTIMATE ICONS Iconmaster,Iconlab,+ Y
PU125 ULTRAPAINT v3 A nice paint package!
PU129/30 VIDEO APPLICATIONS Video utilities+ Y
PU139 GRAPHICS CONVERTERS PC>AMiga gfx Converter
PU140 LITTLEBENCH File copier & utils Dos2 only
PU143 OPTIUTILS 1 Crammed full ! Get it+ Y
PU144 OPTIUTILS 2 Get this disk too ! + Y
PU149 ELECTRONIC PROTOTYPER Veroboard designer Y
PU152/66 CLIPART SET: 15 Disks of the BEST clipart +Y
PU167 MULTI-PLOT Superb data plotting program ! +
PU177/8 BENCHMASTER Windowsbench & Messysid!!
PU180 RICHARD SMEDLEY COMP Vat Checker & more.
PU182 STOCK ANALYST Technical analysis program+Y
PU189 TRONIK VIRUS KILLERS 21 virus killers & docsY
PU191 LANDBUILDER fractal land generator+Y
PU192 SID 2 Get this ! directory util !!! MEGA!+Y
PU197 MOBED 2 Dpaint for Sprites & bobs+Y
PU198 VIDEO WIPES Masks & fades Dpaint 3/4 +Y
PU200 LITTLEBENCH 1.3 Now for 1.3 owners!
PU202 CYCLOPS Weird Plasma/fractal creator ! +Y
PU203 SCOPE 184 utils & clips for Ppage Y
PU204 GATOR GRAPHICS Dpaint tutorial disk.+
PU206 PC TASK PC Emulator Now Version 2 VGA! +Y
PU207 MULTISID Combine SID2 & Multidos(PC>AMIGA)+Y
PU208 ASI HANDYTOOLS 3 mega compilation of utils Y
PU209 FRED FISH CATALOGUE contains FISH 1 - 890 +Y
PU210 PCQ PASCAL Latest version of this pascal compiler+
PU215 CAPTIONATOR Superb shareware video titling!+Y
PU219 WBHACKS+ collection of hacks for + owners+ Y
PU221-225 8 COLOR ICONS Hundreds of new icons +Y
PU229 JPEG 24 bit graphics compression util disk! +Y
PU230 MORE PRINTER DRIVERS new printer drivers!+Y
PU240 FREECOPY V1.4 powerful disk copying program!+Y
PU241 CALORIE BASE Useful for people on a diet!+Y
PU243 ASPICE Circuit analysis program!+Y
PU244 BON APPETIT This is a recipe database program!+Y
PU245/256 C MANUAL Latest version on 12 disks! (12) +Y
PU262 RICHARD SMEDLEY COMP II Mortgages etc!+Y
PU263 LYAPUNOVI Fabulous & unusual fractals!!+Y
PU264 GOLF RECORDER Database for golf scores!+Y
PU273 PC>AMIGA Similar to Messysid, + docs!+Y
PU274 TRONICAD V1.36 Electronic circuit designer!+Y
PU279 V MORPH V2.19 Has a PD morphing prog!!+Y
PU282 ASI MULTIVISION 2 Imagelab,Wasp & more,super+Y
PU285 WORKBENCH 3 BACKGROUNDS, 1200 ONLY!
PU286 INSCRIPT Program for Video titling! +Y
PU287 NUMPAD Numeric keypad emulation!(600 ONLY)
PU288 ENGINEERS KIT Test your Amiga system! +Y
PU291 1200 WORKBENCH HACKS Useful utils! Y
PU292 1200 UTILS1 Gif & PCX datatypes etc!A must
PU293/317 25 disks of Ham radio software! (25)+Y
PU324 WINEMAKER Database for winemakers! +Y
PU330 SLEEPLESS NIGHTS Utils useful for 1200!Y
PU346 EXOTIC RIPPER V2.10 Soundtracker ripper! +
PU348 SPEED UTILS Fixdisk Headclean Snoop & more
PU349 NCOMM V3.00 The latest version comms disk
PU351 ASI FIX DISK Get old programs running on
PU352 HP 550C & Cannon Bubblejet printer drivers!
PU355 SUPERDARK Superb & unusual screen blanker
PU357 CANON PRINT STUDIO A must for BJ owners
PU358 PPAGE TEMPLATES,GENIES etc. Very useful
PU359 PRO PAGE HELP DISK Extremely useful disk
PU360 WINDBLEND Super effects but 1200 only! Y
PU361 XPK COMPRESSION UTILS compression prog
PU367 PE PRINT UTILS Lots of useful labelling prog
PU369 TV TITLES DEMO Shareware Titling program
PU372/3 PARNET SOFTWARE Link 2 Amigas! (2)+Y
PU374 1200 UTILS 3 More new 1200 utilities!+Y
PU381 SPECTRUM EMULATOR V1.7 Works on ALL
PU384 THE GENEOLOGIST Superb Family database
PU387 REORG A good disk & Harddisk optimiser! +Y
PU388 1200 HD PREP For all 1200 owners! Y
PU389 HD CLICK The latest version! +Y
PU393 ASI FIX DISK 2 Second exellent fix disk! +Y
PU394 GRINDER V1.0 Picture file converter! +Y
PU396 BAD FORMAT Make unusable disks work! +Y
PU399 AIBB Amiga Benchmark speed tests! +Y
PU400 AMBUSH V1.03 Fix font size problems! +Y
PU420 PARNET CDTV BOOT DISK For networking
PU421 ASI DISK HELPER 1 Disksalv2,Dcopy 3.1
PU422 AZSPELL A very good spelling checker!+Y
PU423 MULTIVISION 3 More super graphics utils+Y
PU424 LIGHTWAVE OBJECTS For lightwave only
PU425 MAGIC WORKBENCH Unpacks 8 colour
PU426 LOCKPICK2 Unprotects many programs.+Y
PU427 ASI DISK HELPER 2 More useful utilities+Y
PU429 MAGNUM CREATOR V1.9 Diskmag creator
PU430 GARDEN DESIGNER Design your garden.+Y
PU431 MODEM MATE Comms type program.+Y
PU432 BLACKBOARD Image processing program+Y
PU433/4 TWIN EXPRESS Amiga-PC comms linkup
PU435 RUSH A good directory utility program+Y
PU440/5 IMAGINE OBJECTS & JPEG TEXTURES
PU446 CRUNCHERS PACK 30 different crunchers
PU447 MINIMORPH A nice morphing package! +Y
PU448 SPIDERSOFT UTILS Progam protection
PU449/50 DICE V2.5 C COMPILER for programmers
PU457 ASI VIDEO TITLERS Super video set. +Y
PU458 ASI WORKBENCH 2/3 UTILS Very useful

SLIDESHOWS

PS002 ADVANCE HAM Really stunning !+ Y
PS008 AIRCRAFT SLIDE Pics of fighter aircraft!+Y
PS009 ASTRONOMY SLIDE very impressive!+Y
PS033 GERMAN RAY TRACE Superb See these
PS045 KELLY 3/3 Some quality HAM pictures.+Y
PS056 NEWTEK DYNAMIC HAM 640x512 4096
PS062 NW DYNAMIC HAM Nik Williams Superb
PS072 SUPER HAM CARS This is a must-Mega
PS115 THE GATHERING 93 Stunning pictures
PS117/8 NIGHTBREED AGA SLIDESHOW Superb
PS119 CYNOSTIC SLIDESHOW Superb pictures
PS120 KEITH RHODES SLIDE 3 fantasy pics
PS122 FERRARI AGA great 256 colour pictures
PS124 TC VISTA PRO LANDSCAPES Exellent
PS125 REVELATIONS SLIDE staggering quality
PS127 AKIRA PICS 2 Some superbly drawn pics
PS128 MAGIC FACTORY Ray traced trek pics
PS130/1 NIGHTBREED AGA SLIDE3 Stunning
PS132 HAM TEXTURES 6 super textured backgrounds
PS133 JURASSIC PARALAX Interesting Dinosaur
PS134/7 COMPLETE MANGA Fab colour pics
PS138 STAR WARS SLIDESHOW Nice space
PS139/40 SHED TEARS Nice Fantasy pictures
PS141 MAGIC SLIDESHOW2 More Startrek pics
PS142 AKIRA+XMEN SLIDES Superb Manga

ORDERING MADE EASY

BY POST: send your Name, Address & Order details with a Cheque / PO / IMO to any of the companies listed

BY PHONE: Call us with your card number expiry date and details for a 1st class service. All major cards accepted

PD PRICES: 1 - 5 disks £2.00 per disk • 6 - 25 disks £1.25 per disk • 26 or more disk are still only **99p** per disk !

POST & PACKING: UK - 50p • UK 'Recorded Delivery' £1.25 • Europe +25p per disk • Rest of World +50p per disk

REMEMBER: We stock Fish 1-950, Tbag 1-74, Amos, Scope, Snag, Amicus, Amigos & lots more superb PD disks!!

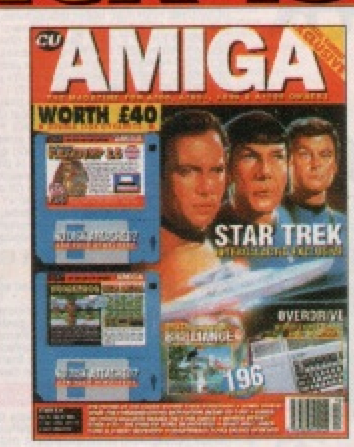
PLEASE NOTE:
All disks on the advert should work on the Amiga 1.2/1.3
systems unless otherwise stated! All disks with a "+" sign
should work on the Amiga 500+ & 600 machines!
However there are so many different setups now in use it is
becoming impossible to test for every possible variation, so
please use some caution especially with A1500/2000 with
various dos systems, CDTV and of course the new Amiga
& 4000 systems. Disks marked with a "Y" should be okay on
A1200 / 4000 though obviously not yet extensively tested.
Please take care!

CU AMIGA BACK ISSUES











You know that sinking feeling you get when you've left home for a weekend on a remote mountain top and realise that you've left the sandwich toaster or the oven on at home? Or when you're in the pub with all your mates, and your brother, and most of your cousins, and you're slagging off about the sort of person who never gets a round in – when you suddenly realise that your wallet is not where it should be?

So imagine what it's like when you find out that you've missed a copy of CU AMIGA because your local newsagent was sold out last September? Well fear not; if you've got a gaping hole in your CU AMIGA collection, if you've missed out on an essential (and probably completely exclusive) review, coverdisk utility or demo and if you're afraid to tell your friends about it, then why not order one from our back issues department. If it's in stock you can have it for a not unreasonable wad of cash (including postage). So hurry up and disappoint someone else by getting your back issue first – they're selling fast!

CU AMIGA BACK ISSUES ORDER FORM

Any gaps in your CU AMIGA collection? Britain's fastest growing Amiga magazine is giving you another chance to pick up those missing issues.
As you can see we sell out pretty quickly so order now! (Hurry, stocks are limited!)
RATES
U.K: £5.99, Europe: £6.50, Rest of World: £8.50
All prices include postage and packaging.

To order simply complete the form below, enclose payment if applicable, and send to CU Amiga Back Issues, Tower Publishing, Tower House, Sovereign Park, Lathkill St, Market Harborough, Leics LE16 IEF.

CU AMIGA BACK ISSUES ORDER FORM

SEND TO : CU AMIGA BACK ISSUES,TOWER PUBLISHING, TOWER HOUSE, SOVEREIGN PARK, LATHKILL ST, MARKET HARBOROUGH, LEICS LE16 9EF.

Please rush me the following back issue(s) of CU Amiga:

QTY	ISSUE
....	....
....	....
....	....
....	.... Total amount: £ .

(Rates per back issue: U.K: £5.99, Europe: £6.50, R.O.W: £8.50)

Method of Payment (please tick):
❑ I enclose a cheque made payable to EMAP Images Ltd.
❑ Please debit my .... card.
No _/_/_/_/ _/_/_/_/ _/_/_/_/ _/_/_/_/ expires _/_/ _/_/
(Visa, Access, American Express, Amex, Diners Club accepted.)

Name ....
Address ....
....Postcode ....
Telephone no...

Please allow 28 days for fulfilment upon receipt of request. Back issues subject to availability - all titles shown are available at time of issue going to press.

November 1992
Cover: A4000.
On Disk: Videoscape 3D animation package plus playable demos of Legends of Valour and Sword of Honour.
Inside: Amiga 4000 first test, which Amiga should you buy? Lethal Weapon and Shadowlands and Office 2 reviewed.

December 1992 - Sold out!

January 1993 - Sold out!

February 1993 - Sold out!

March 1993 - Sold out!

April 1993 - Sold out!

May 1993 - Sold out

June 1993 - Sold out!

July 1993
Cover: Full motion video.
On Disk: Workbench Management System v2.0, plus playable demos of The Patrician and F1 Challenge.
Inside:Full Motion Video examined. Syndicate, Ishar 2 and Dune II reviewed, plus Vista Pro 2 and buyers guides to DTP packages and joysticks.

August 1993
Cover: CD32.
On Disk: Interword, a completely spiffing word processor, plus a playable demo of Virgin's Apocalypse.
Inside: Muscle Up - a roundup of RAM expansions, V-Lab digitising system, Deluxe Music Construction Set 2.0, Brutal Sports, Jurassic Park.

September 1993
Cover: Amiga animation made easy.
On Disk: Gold Disk's Advantage - an accounts and finance package, plus exclusive (naturally) demos of Soccer Kid and F117A.
Inside: A guide to buying and using animation packages, plus a guide to monitors, and reviews of Personal Paint 2.1, Amos Pro Compiler and Soccer Kid.

October 1993
Cover: Star Trek 25th Anniversary
On disk: Flexidump 2.5 - the ultimate image processing and printing tool, plus playable demos of Wonderdog and Mean Arenas (1Mb only).
Inside: A meeting of minds – CU chairs an Amiga user's debate. Star Trek 25th and Space Hulk reviewed plus Digital Creations.

November 1993
Cover: Frontier.
On Disk: The absolutely superb graphics/DTP package, ExpertDraw (1Mb only), plus unbelievably brilliant demos of Frontier, Qwak and Magic Boy.
Inside: Gummph! There's an extra magazine included - a complete guide to the Amiga, plus tons of hardware and software reviews, including Frontier.

December 1993
Cover: Amazing!
On disk: Aegis Animator – the animation program and Spectracolour, plus demos of Turrican 3 and The Settlers. Wow!
Inside: Exclusive 52 page Deluxe Paint guide, Christmas buyers guide, Microcosm on CD32, Terminator 2 Arcade Game, Alien Breed 2 and The Settlers.

January 1994
Cover: Animation and graphics special.
On Disk: Sensible Software's Shoot 'em up Construction Kit , Font Grabber, plus a fully playable demo of Mortal Kombat (1Mb only).
Inside: Dpaint vs Brilliance: the showdown, Vidi 12/24 RT, MediaPoint multimedia, Beneath a Steel Sky, Cannon Fodder, Zool 2.

February 1994
Cover:Scala/Multimedia.
On disk:Scala, the top rated home video titler (1Mb only), plus a completely fab demo of Simon the Sorcerer (1Mb only).
Inside:Scala: the multimedia controller, plus reviews of Fractal Pro 6.0, Craft, Aladdin 4D, Goblins 3, Simon the Sorcerer and Skidmarks.

March 1994
Cover: Don't get lost in multimedia.
On Disk: Softwood File database and Craft, an Amos programming extension, plus a completely spiffing demo of K240 (1Mb only).
Inside: Full Motion Video evaluated, VideoMaster vs Sound and Vision and TV Paint 2 reviewed, plus Manchester United and super Methane Bros.

NB: Offers and advertisements may be out of date when you order a back issue.

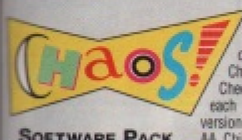
AMIGA

FREE! 64 PAGE AMIGA GUIDE

FROM SILICA - THE UK's No1 AMIGA SPECIALISTS

AVAILABLE NOW - CONTACT US NOW FOR YOUR *FREE* COPY

FREE! FROM SILICA



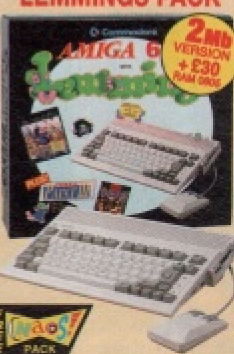
When you buy your Amiga from Silica, at our advertised prices, we will give you one or more free gifts. The gifts include the new Chaos pack, GFA Basic & Photon Paint II. Check this ad to see which gifts come with each Amiga from Silica. An enhanced AGA version of Chaos that takes full advantage of the AA Chipset will be sent with A1200 & A4000s.

SOFTWARE PACK

CHAOS ENGINE	£25.99
SYNDICATE	£34.99
PINBALL FANTASIES	£29.99
NICK FALDO'S CHAMPIONSHIP GOLF	£34.99
CHAOS PACK:	£125.96
GFA BASIC v3.5 - Powerful Basic Programming Language	£50.00
PHOTON PAINT II - Powerful Graphics Painting Package	£89.95
TOTAL VALUE:	£265.91



AMIGA 600 LEMMINGS PACK



FREE CHAOS PACK

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

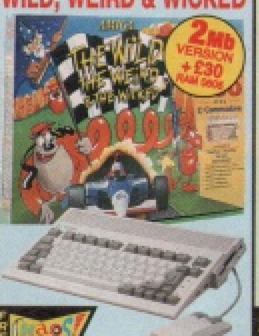
PACK INCLUDES:

1Mb AMIGA 600	£199.99
BUILT-IN 1Mb DRIVE	-
BUILT-IN TV MODULATOR	-
DELUXE PAINT III	£79.99
LEMMINGS	£25.99
FREE FROM SILICA (See Top Left)	£125.96
TOTAL PACK VALUE:	£431.93
LESS PACK SAVING:	£242.93
SILICA PRICE:	£189.00

1Mb RAM - PREVIOUSLY ~~£299~~ **£189** INC VAT - AMC 0666

2Mb RAM - PREVIOUSLY ~~£329~~ **£219** INC VAT - AMC 0666 + RAM 0605

AMIGA 600 WILD, WEIRD & WICKED



FREE CHAOS PACK

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

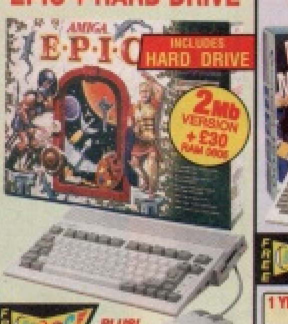
PACK INCLUDES:

1Mb AMIGA 600	£199.99
BUILT-IN 1Mb DRIVE & TV MODULATOR	-
DELUXE PAINT III	£79.99
MICROPROSE GRAND PRIX	£34.99
SILLY PUTTY	£25.99
PUSH OVER	£25.99
FREE FROM SILICA (See Top Left)	£125.96
TOTAL PACK VALUE:	£492.91
LESS PACK SAVING:	£293.91
SILICA PRICE:	£199.00

1Mb RAM - PREVIOUSLY ~~£299~~ **£199** INC VAT - AMC 0649

2Mb RAM - PREVIOUSLY ~~£329~~ **£229** INC VAT - AMC 0649 + RAM 0605

AMIGA 600HD EPIC + HARD DRIVE



FREE CHAOS PACK PLUS! GFA & PHOTON

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:

1Mb AMIGA 600	£199.99
BUILT-IN 1Mb DRIVE & TV MODULATOR	-
64Mb HARD DISK	£179.00
EPIC - A SCI-FI ADVENTURE	£29.99
ROME - ROLE PLAYING ADVENTURE	£25.99
MYTH - STOP THE SPREAD OF EVIL	£19.99
TRIVIAL PURSUIT - POPULAR QUIZ	£29.99
FREE FROM SILICA (See Top Left)	£265.91
PACK VALUE:	£750.86
PACK SAVING:	£401.86
SILICA PRICE:	£349.00

2Mb VERSION + £30

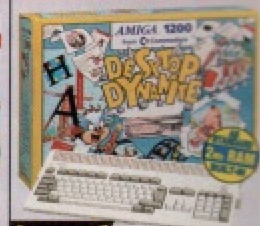
1Mb RAM 64Mb HD **£349** INC VAT - AMC 0964

1Mb RAM 85Mb HD **£399** INC VAT - AMC 0965

AMIGA 1200 PACKS + HARD DRIVE OPTIONS



RACE 'N' CHASE



FREE CHAOS PACK PLUS! GFA BASIC NEW!

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:
- 2Mb Amiga 1200
- Trolls AGA
- Nigel Mansell's World Championship AGA
- FREE FROM SILICA (See Top Left)

RACE 'N' CHASE

RAM	HD	Price
2Mb	0Mb	£299
2Mb	80Mb	£449
2Mb	127Mb	£499
2Mb	200Mb	£549
2Mb	340Mb	£699

DESKTOP DYNAMITE

FREE CHAOS PACK PLUS! GFA BASIC NEW!

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:
- 2Mb Amiga 1200
- Dennis
- Oscar
- Deluxe Paint IV AGA
- Wordworth V2
- Wordworth Print Manager
- FREE FROM SILICA (See Top Left)

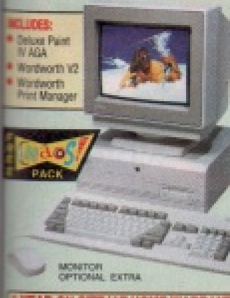
DESKTOP DYNAMITE

RAM	HD	Price
2Mb	0Mb	£339
2Mb	80Mb	£499
2Mb	127Mb	£549
2Mb	200Mb	£599
2Mb	340Mb	£749

AMIGA 1200 SPECIFICATIONS
- 68020EC Processor - 14.19MHz Clock Speed
- 32-bit Architecture/2Mb Chip RAM
- Amiga DOS v3.0/Built-in TV Modulator
- AA Chip Set/16.8 Million Colours
- 1 x 32-Bit CPU/RAM Expansion Slot
- PCMCIA Smart Card Slot
- 96 Key Keyboard with Numeric Keypad
- 2½" Internal IDE Hard Drive Options
- 1 Year On-site Warranty

HARD DRIVE OPTIONS
- Approved 2½" Hard Drives
- Fitted correctly below metal safety shield - does not invalidate warranty
- Covered by Commodore's Official 1 Year On-Site Warranty
- Look for Special 'Official Upgrade' sticker

AMIGA 4000 SPECIFICATIONS



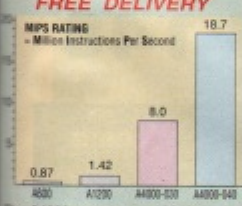
1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

MIPS RATING - Million Instructions Per Second

A600	A1200	A4000-030	A4000-040
0.87	1.42	8.0	18.7

The A4000 runs at up to **21 times** the speed of the A600.



GRAPHICS:
- 16.7 MILLION COLOURS
- RESOLUTIONS UP TO 1280x512 and 800x600

OPEN ARCHITECTURE:
The A4000 has been designed for maximum flexibility providing plenty of room for memory & peripheral expansion.
- 4x16/32-BIT ZORRO III SLOTS (TOWERx5)
- 3xPC-AT SLOTS (TOWERx4)
- 1x24-bit VIDEO SLOT (TOWERx 2)

POWER:
- 1.76Mb 3½" FLOPPY DRIVE

NEW! AA CHIPSET

AMIGA 4000 CONFIGURATIONS

The Amiga 4000 030EC, 040LC and 040 SCSI Tower are available in several RAM/Hard Drive options from Silica (please see below). All are fully configured and approved and carry Commodore's full one year on-site warranty.

RAM upgrades are also available from Silica. Due to current fluctuations in the market, please call for upgrade prices.

25MHz 68030EC DESKTOP

RAM	HD	Price
2Mb	130Mb	£999
4Mb	130Mb	£1099
6Mb	214Mb	£1199
6Mb	540Mb	£1499

25MHz 68040LC DESKTOP

RAM	HD	Price
6Mb	214Mb	£1649
6Mb	540Mb	£1899

25MHz 68040 SCSI TOWER

RAM	HD	Price
6Mb	214Mb	£1999
6Mb	525Mb	£2299
6Mb	1Gb	£2599

RAM UPGRADES CALL FOR PRICES

CDTV ADD-ON FOR A500 or A500PLUS



A570 UPGRADE

WINNER - AMIGA GOLD AWARD 91%
- Clips to side expansion port
- Enables your Amiga 500 to run CDTV software
- Plays normal audio CD discs
- Storage capacity equal to 600 floppy disks
- Transfer time 153Kb/second
- Compatible with CD + G and CD + MIDI formats
- Compatible with ISO9660 standard
- Some old A500s need modification - call for details

FREE FROM SILICA WORTH OVER £49

HUTCHINSONS ENCYCLOPEDIA RRP £29.99

CDPD1 - inc FRED FISH - 600 Public Domain Titles RRP £19.99

FREE DELIVERY

NEW LOW PRICE CDTV - RRP ~~£349.99~~ **£99** INC VAT - CCD 0570

CDTV SOFTWARE

SPECIAL OFFERS

SAVE UP TO £25 PER TITLE!

CBA 1201	A BUN FOR BARNEY	£14.99
CBH 3141	HEATHER HITS HOME RUN*	£14.99
CBL 4281	LEMMINGS*	£9.99
CBM 6671	MOVING/STOMACH ACHE*	£14.99
CBM 8131	MUD PUDDLE*	£14.99
CBS 1761	SCARY POEMS/ROTTEN KIDS*	£14.99
CBT 3201	THOMAS' SNOWSUIT*	£14.99

*CD32 COMPATIBLE — ALL PRICES INCLUDE VAT

STEREO MONITOR FOR ALL AMIGAS



1084S
- .42mm Dot Pitch 14" Colour Screen
- 600 dots x 285 lines Resolution - 15.75KHz
- Analog RGB, Digital TTL and Composite Video
- External Controls: Volume, Brightness, Contrast, Colour, Horizontal and Vertical Centering, Height
- Anti-glare Screen
- Headphone Socket
- Stereo Sound

CABLE REQUIRED FOR CD32 CAB 5235 - £8.95 INC VAT

FREE DELIVERY & FREE AMIGA CABLE FROM SILICA

1084S MONITOR **£199** INC VAT - MON 4184

APPROVED

Silica are a fully authorised Amiga dealer. We can upgrade Amiga 600 or 1200's with hard drives, for new or existing owners, without affecting Commodore's official on site warranty. We offer other upgrades and repair service for A500 and A500PLUS computers.

UPGRADES & REPAIRS
- *Latest test equipment*
- *20 trained technicians*
- *1,000s of parts in stock*
- *FAST, 48 hour service*
- *We can collect (£5+VAT)*
- *FREE return courier*
- *All work guaranteed*

CALL FOR A PRICE LIST

NEW! CD32 DANGEROUS STREETS PACK



NOW WITH 5 FREE TITLES

DANGEROUS STREETS
WING COMMANDER
DIGGERS
OSCAR

PLUS! LEMMINGS CD FREE FROM SILICA

FMV MODULE



- PLUGS INTO THE BACK OF THE CD32
- ALLOWS YOU TO PLAY VIDEO CDs - Full screen, full motion films & music videos
- CD-I LINEAR COMPATIBLE - Allows you to play CD-i films & music videos
- PERFECT FREEZE FRAME
- INSTANT TRACK SELECTION
- SUPERB CD QUALITY SOUND

FREE DELIVERY **£199** INC VAT - CDA 0020

A FULL RANGE OF GAMES, FILMS & MUSIC VIDEO TITLES ARE AVAILABLE FOR CD32 - CALL FOR A PRICE LIST

- 32-BIT POWER - The worlds first CD-ROM console to use 32-bit technology, 4 x faster than a 68000 CPU
- 2Mb RAM
- CD QUALITY STEREO SOUND
- 16.8 MILLION COLOUR PALETTE
- GAMES FROM BELOW £20
- PLUGS INTO A TV OR MONITOR
- PLAYS MUSIC CDs
- DUAL SPEED - Transfers data almost twice as fast as ordinary CD-ROM drives
- MULTI-SESSION - Recognises ALL data on CDs, even if the information was added after initial pressing
- 11 BUTTON CONTROL PAD
- COMPATIBLE WITH 26 CDTV TITLES
- FULL SCREEN VIDEO-CD - Optional extra FMV module which allows you to watch films on the CD32 - compatible with the latest Video-CD standard, endorsed by JVC, Matsushita, Phillips and Sony (see left)
- CD-i LINEAR COMPATIBLE - With optional FMV module, will play CD-i films and music videos
- 5 FREE CD TITLES
  - DANGEROUS STREETS
  - OSCAR
  - WING COMMANDER
  - DIGGERS

PLUS FREE FROM SILICA LEMMINGS CD WORTH £9.99

FREE DELIVERY

CD32 + 5 FREE CD TITLES **£279** INC VAT - CCD 3200

SILICA - THE AMIGA SPECIALISTS

1715180214

SILICA 1978 1993 15 YEARS SERVICE TO YOU

Before you decide when to buy your new Amiga computer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after buying your Amiga, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **COMMODORE APPROVED UPGRADES:** Official Hard Drive upgrades with ICL on-site warranty.
- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of Amiga technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M A YEAR COMPANY:** With over 200 staff - We are solid, reliable and profitable.
- **CORPORATE & EDUCATION DIVISION:** Volume discounts are available. Tel: 081-308 0888.
- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your Amiga requirements are available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you, with special reduced price Amiga offers, as well as details on all Amiga software and peripherals.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).



HOT LINE 081-309 1111

SILICA IS A DIVISION OF PROGIS PLC

MAIL ORDER:	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Order Lines Open: Mon-Sat 9.00am-7.00pm (Sat 9.00am-5.30pm) No Late Night Opening	Tel: 081-309 1111 Fax No: 081-308 0608
CROYDON SHOP:	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	Opening Hours: Mon-Sat 9.00am-6.00pm Late Night: Thursday - 8pm	Tel: 081-688 4455 Fax No: 081-686 4658
LONDON SHOP:	52 Tottenham Court Road, London, W1P 0BA	Opening Hours: Mon-Sat 9.30am-6.00pm No Late Night Opening	Tel: 071-580 4000 Fax No: 071-323 4737
LONDON SHOP:	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	Opening Hours: Mon-Sat 9.30am-7.00pm Late Night: Thursday - 8pm	Tel: 071-629 1234 Extension: 3914
SIDCUP SHOP:	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Opening Hours: Mon-Sat 9.00am-5.30pm Late Night: Friday - 7pm	Tel: 081-302 8811 Fax No: 081-309 0017
ESSEX SHOP:	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) Late Night: Thursday - 7pm	Tel: 0702 468039 Fax No: 0702 468039
IPSWICH SHOP:	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) Late Night: Thursday - 8pm	Tel: 0473 287092 Fax No: 0473 287092

To: Silica, CMUSR-0494-104, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 104W

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

PD SCENE

Right, now you've arrived, can we begin? Resident demo fan Tony Horgan takes you through the fun side of this month's public domain mailbag.



FULL MOON
demo

Bit of a fave in the office, this one from Virtual Dreams. If you like your visual effects on the trippy side, this should be right up your global highway. First up is a very smooth and relaxing intro that takes you on a slow helicopter ride around some mountains. Then, after an excellent fire effect, it's off to a Wolfenstien-type 3D maze, with slick texture-mapped walls. After that there's a rotating dot-landscape and an unentertaining vector sequence, but it picks up again with some good 3D sine-lines. Liquid plasma of the highest order crops up next, followed by some brain-melting bitmap contortions. Yummy – I love it.
Available from: Visage Computers, 18 Station Road, Ilkeston, Derbyshire, DE7 5LD. Tel: 0602 444501. Price: £2.00 including P+P. AGA only.

90%



SEVEN SEAS
slideshow

We've seen some brilliant AGA slideshows recently. This one from Andromeda isn't the best, but there are some highlights. The thirteen hand-drawn pictures are mostly executed in time-honoured fantasy style. Standard stuff ranging from landscapes to the usual scantily-clad female warriors. Most of pictures look pretty good at first, until you notice some of the perspective and scale problems. Not a bad effort though.
Available from: Your Choice Software, 144 London Road, Sheffield. Tel: 0742 555894. Disk nos. D478 a+b. Price: £1.98 including P+P.

65%

TALISMAN
game

Adventure games are rare in the public domain, and decent adventure games are even scarcer, so it's good to see something like *Talisman* turning up in the mailbag. It looks like an old text adventure at first, but you don't actually enter any text from the keyboard. All your actions are carried out with the mouse, by clicking on the nine command buttons and using the compass directions. Text descriptions of the locations appear in the bottom half of the screen, with illustrations in the top corner. It's mainly the presentation that makes the game, as the control method can be a bit limiting and the scenario is standard fantasy stuff. Nevertheless, there's plenty of orc-bashing adventuring on offer.
Available from: Jorvik Public Domain, 22 Hemlock Avenue, York, YO3 9DG. Disk no. GA 0096 a+b. Price: £2.08 including P+P.

80%



ASSASSINS 148
game compilation



Yet another trio of free games have been loaded onto the latest *Assassins* compilation. Best of the three is *Nostolgium*, a clone of that much-loved C64 shoot 'em up *Uridium*. Just like the original, it's a fast-moving horizontally-scrolling shoot 'em up, played over a series of dreadnoughts (that's big long spaceships to you and me). Most of the game is as it was in the original, so you still get the simple "bas-relief" graphics (remember them, they look like Wedgewood china) and snaky aliens swarm about the levels, while you dodge the walls and shoot the gun turrets. Nostalgia fans will lap it up for the first five minutes, but others will see it for the simple dated game it really is.

Also on the disk you get a version of *Mastermind*, and a variation on the *Soko-Ban* puzzle game theme. Not a bad compilation in all, especially as a lot of other PD game disks would be put to better use as drink coasters.
Available from: Roberta Smith DTP, 190 Falloden Way, Hampstead Garden Suburb, London, NW11 6JE. Disk no. ASI 148. Price: £1.40 including P+P.

76%

ARTE
demo

What a feast! If you're one of those people who loves wibbly colours and trippy 3D effects, you're going to love this one from Sanity. First up is a neat 3D tunnel, made up of real time-scaled texture maps. Next , is an impressive bit of Dali-style art, plenty more of which crops up throughout the demo. After some more 3D zooms and a spherical text scroller, there's a spot-on blurred tunnel sequence, followed by a slimy bitmap contortion-rotation thing.

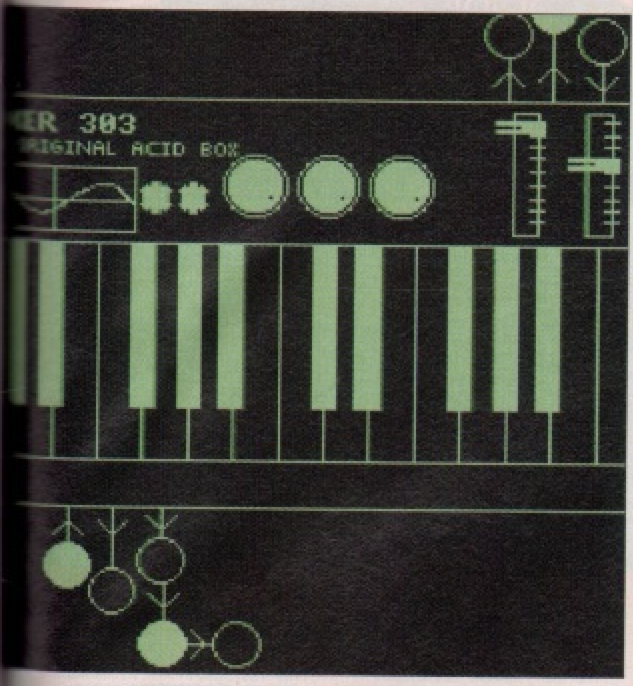
Then comes the best bit for me: a gorgeous blurred plasma effect that zooms and pulses in and out of the screen. The brain-zapping continues with yet more indescribable colour patterns and effects, and finishes off with a 3D vector sequence. Funky guitar licks give the soundtrack a boost, and the continual Dali tributes add a bit of style to the visually-stimulated.
Available from: 17 Bit, 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorks, WF1 1DH. Tel: 0924 366982. Disk no. 2968. Price: £2.00 including P+P.

90%









FATAL MORGANA
demo

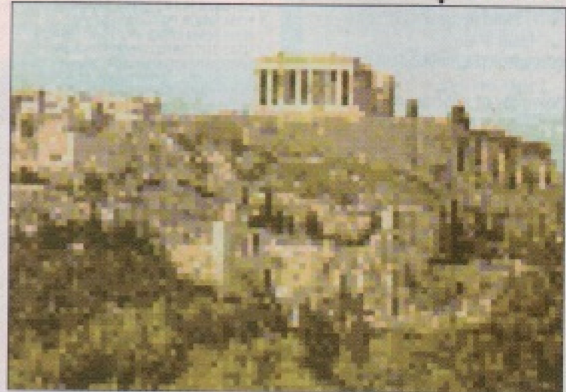
You're spoilt for choice this month if you want a rave demo. Fatal Morgana has a standard buzzy techno soundtrack, but there's plenty of fun to be had with the visuals, which include a mental ostrich, more of those digitised dancers, and a childishly rib-tickling Beavis and Butthead bit at the end (hu hu, hu hu, he he...).
Available from: PD Soft, 1 Bryant Avenue, Southend on Sea, Essex, SS1 2YD. Tel: 0702 466933.
Price: £3 including P+P.

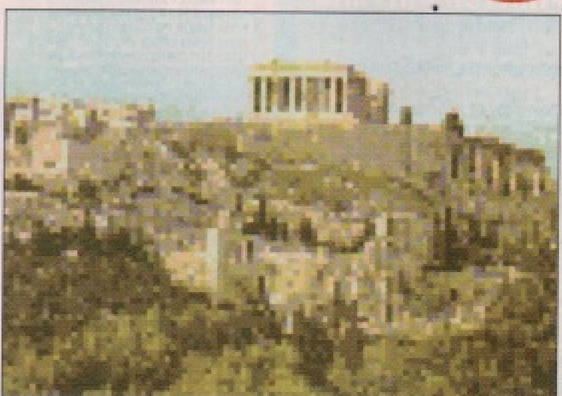
80%

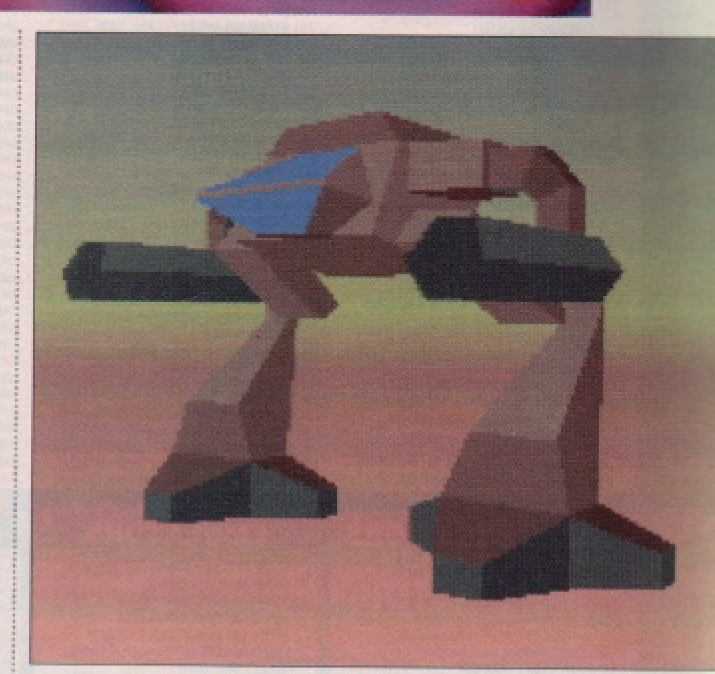
TOME OF MYTHS
classical mythology

If Greek gods are your bag, then here are a couple of disks you shouldn't miss. It's a *Hyperbook* creation that uses a mouse-controlled interface to simulate a conventional book. Pages can be chosen from a menu, or flicked through one by one. The pages are devoted to different ancient Greek gods and myths, with neat digitised illustrations in most cases. A registered version is also available, which includes an extra disk covering Tolkien and Folklore.
Available from: Mr L Haynes, 41 Springfield Road, Scartho, Grimsby, S Humberside, DN33 3JG. Price: £4 including P+P (registered version).

81%







EXODUS ON LARD
demo

Stylised video clips are the highlights in this, the latest graduate from the Jesus on-Es school of rave demos. Most of the visuals are mono images on a black background, but the single-colour animations and strobed logos are jazzed up with a bit of colour-cycling. The soundtrack is a good pumping technoid piece, backed with a shuffling Funky Drummered rhythm. Baggy, and a bit loose at the seams, Exodus on Lard entertains but it isn't that stunning.
Available from: PD Soft, 1 Bryant Avenue, Southend on Sea, Essex, SS1 2YD. Tel: 0702 466933. Disk no. 3666. Price: £3.00 including P+P.

76%

COMPLEX ORIGIN
demo

A variety of sequences and effects are on show in this 2-disk AGA-only demo, which starts out with some nifty snatches of ray-traced and fractal animation. Next is a real time vector mini-movie, with a trendy *Lawnmower Man* kind of tunnel trip. Spinning bitmaps precede an impressive Wolfenstien/Doom 3D maze section.
Available from: Visage Computers, 18 Station Road, Ilkeston, Derbyshire, DE7 5LD. Tel: 0602 444501. Price: £2.00 including P+P. AGA only.

79%





MENTAL RAVES 4
music

For those who like the harder side of techno, this is a simple music demo that doesn't bother with a demo front-end, concentrating instead on the sonics. It's a single soundtracker module using distorted bass drums, frantic high hats, rasping chords and loads of lovely squelchy TB 303 basslines. Thanks to some clever programming, the 303 lines aren't just straight loops, you get that evolving snakey sound as the filter knobs are twiddled. Not gabba, not hardcore, but harder than average. Nice one.
Available from: PD Soft, 1 Bryant Avenue, Southend on Sea, Essex, SS1 2YD. Tel: 0702 466933. Price: £3.00 plus 50p P+P.

81%



CYCLIC
demo

Very simple, this one. It's a series of colour-cycled images that are just perfect for that Condor moment. There are the usual tunnels, as hypnotic as ever, along with some more original patterns. It's all backed by a mellow ambient soundtrack. A spot-on chill out demo. More of this please!
Available from: Barkin Mad, 18 Rhyber Avenue, Lanark, Lanarkshire, ML11 7AL. Disk no. 0375.
Price: £1.25 including P+P.

87%



GROUND ZERO

SOFTWARE

AMIGA
PUBLIC DOMAIN SOFTWARE

To order Public Domain software, simply send your name, address (PRINTED CLEARLY) and your order details. Eg. Disks code numbers and title names. Remember that prices are per disk and not per title. Take particular notice with multiple disk titles. UK Postage and packing at 75p covers any order size. Make sure you send the correct sum of money, otherwise your order cannot be processed. For detailed programme descriptions of these and thousands of more PD titles, check out our catalogue disks.

ORDERING PD DISKS

PRICE PER PD DISK £1.00
(1 FREE DISK FREE FOR EVERY 10 PURCHASED)
CATALOGUE DISK VOL.1 ... £0.50
CATALOGUE DISK VOL.2 ... £0.50
POSTAGE & PACKING £0.75

Overseas orders. Use the above prices, then add 20% of that total, to cover the extra postage costs. Thank you.

PLEASE MAKE ALLCHEQUES/POSTAL ORDERS IN STERLING PAYABLE TO GROUND ZERO SOFTWARE

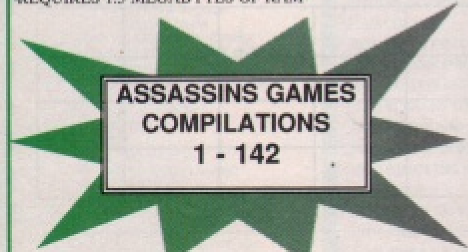
ALL TITLES ARE COMPATIBLE WITH ALL AMIGA'S UNLESS STATED •OTHERWISE•

GROUND ZERO SOFTWARE (CU)
4 CHANDOS RD
REDLAND
BRISTOL BS6 6PE
ENGLAND

*PLEASE DO NOT SEND CASH THROUGH THE POST * *REMEMBER TO INCLUDE POSTAGE & PACKING COSTS*

NEW STUFF

G292 **BALDERS GROVE** - Boulderdash clone. •NOT A500•
D172/173 (2 DISKS) **ORIGIN** - Incredible vector and textured map demo. •A1200 ONLY•
U324 **JeGRAPH v1.0** - Very powerful business graph creator. Professional product.
D174/D175 (2 DISKS) **NINE FINGERS** - From the creators of State Of The Art. The most impressive Rave demo around.
G290/G291 (2 DISKS) **GEORG GLAXO** - Superb German platform game. A massive game with big, bold and smooth graphics.
D176/177 (2 DISKS) **MAXIMUM OVERDRIVE** - Clever demo where camcorder film footage is converted into stripped down graphics.
U325 **OctaMED v2.00** - Top of the range music creator. V.good.
U326 **KITE SIMULATOR v2.42** - Simulates kites.
U327 **DISKSALV v11.28** - Disk and file recovery programme. Is able to undelete, deleted files, recover data from corrupted disk etc.. Essential tool. •NOT A500•
S101 **FUNNY FACES SLIDESHOW** - Digitised faces warped in various ways! pretty freaky stuff.
U328 **MAVERICK COPIER** - Removes copy protection from over 450 commercial games.
U329 **EPU HARD DRIVE STACKER** - Similar to the commercial Disk Expander software which can nearly double the space on your hard drive with super fast compression and expansion techniques. Beginners may find installation fiddly. Only rudimentary knowledge required. •NOT A500•
U330 **DMS II** - Compresses entire disks into a single file. Even works with NDOS Amiga disks. •NOT A500•
D178/179 (2 DISKS) **ACCESS 1st AGA DEMO** - Big •A1200 only• demo.
G293 **ROAD TO HELL** - Brill overhead racing game. Includes split screen for 2 players. Missiles, smoke screens, better engines, etc....
D180 **EMPTY HEAD DEMO** - Wonderful. •A1200 ONLY•
G294 **FLEUCH v2** - Super C64 Thrust clone. Very playable.
G295 **FATAL MISSION 2** - Very well programmed challenging shoot-em-up.
E69 **ASTRO 22 v3.5** - Professional astrology programme for horoscope predictions.
S102/103/104/105 (4 DISKS) **WORLD OF MANGA** - The best Manga slideshow around. •A1200 ONLY•
U331 **AMIBASE PROFESSIONAL II v1.8** - Very easy to use and fast database. Very good indeed.
G296/G297 (2 DISKS) **MOTOROLA INVADERS 2** - Space invaders will never be the same again. Great. •A1200 ONLY•
A164 **WEATHERMAN ANIMATIONS** - Collection of funny animated sketches about an unfortunate weather presenter. •A500 ONLY•
E70 **JUNIOR MATHS DEMO** - Disabled demo version, only counting game available.
D181 **SANITY-ARTE** - One of the best demos I've ever seen. Who needs AGA when theres demos like this!!!
U332 **MAGNUM v1.7** - Disk magazine creator. Definable menus and the ability to add music modules.
E71 **CHILDRENS FAVOURITES 1** - Nine nursery rhymes with on screen words, illustrations and music.
A165/166 (2 DISKS) **ON THE GREEN** - Animation for golfing fans. •REQUIRE 2 MEGABYTES•
G298 **INTENSE** - Shoot-em-up Construction Kit Alienbreed variation.
E72/73 (2 DISKS) **THE DISCOVERY OF THE ATOM** - All about the discovery of the Atom, by whom, it's history, it's applications in industry and war. Very well presented product. Includes animations. •RECOMMENDED YOU HAVE TWO DISK DRIVES AND AT LEAST 1.5 MEGABYTES OF RAM•
G299 **HIGH OCTANE** - The top PD racing game around. Superb graphics, two player split screen option, weapons and graphically awesome. Even includes an intro animation, Don't miss this!
D182 **EXPLICIT 2** - A demo that makes good use of the AGA chipset. •A1200 ONLY•
D183 **AESHETICA** - What a strange demo. •1200 ONLY•
U333 **EASYSLIDE** - Very good slideshow disk creator. Does most of the hard work, all you need to do is provide the pictures.
A167 **ATTACK** - By Paul Henderson, the man behind the gruesome Suicide Man animations. This ones about a Stealth Fighter in the Middle East. Gore, maiming etc.. Luvly. •REQUIRES 1.5 MEGABYTES OF RAM•



EDUCATION

E55 **COMMUNICATE** - Translates sign language, morse code, braile, flags, etc.. Good learning tool.
E59 **STAR VIEW** - Displays all the stars, planets, and constellations. With zoom facility.
E16 **CHESS TUTOR** - Four programs that take you through the rules to taking part in historic matches.
E52 **COLOUR THE ALPHABET 2** - Learning game for infants. Includes Digitised speech. V.good.
E41 **FRACTIONS** - Teaches and tests you on (+)ing, (-)ing, (x)ing, and (/)ing with fractions.
E49/50/51 (3 DISKS) **DESKTOP GUIDE TO MUSIC** - Everything you ever wanted you know about electronic music. •NOT A500•
E44 **THE MATHS ADVENTURE** - Maths problems integrated into an adventure game.
E60 **CODE MUNGUS** - Highway Code testing program. Strange name but a brilliant bit of software.
E43 **WW2 HISTORY BOOK** - Multimedia presentation on World War II.
E58 **DESERT STORM HYPERBOOK** - How the war was won. Includes maps.
E46 **LITTLE TRAVELLER** - Useful information on the Worlds popular travel spots. For holiday makers.
E23 **TOTAL CONCEPTS - ASTRONOMY** - Lots of interesting facts and digitised stills.
E24 **TOTAL CONCEPTS - DINOSAURS** - All about prehistoric Earth.
E65/66 (2 DISKS) **TARRO MASTER** - Tarro card tutor and prediction software.
E17 **PROJMOT** - Plots a graphic path of a projectile.
E3 **WEATHERMAN** - Weather Forcaster.
E18 **BIORHYMS CALCULATOR** - Displays your personal biorhyms graph for any month of any year.
E30 **GCSE MODULE 1** - Maths study disk.
E12 **UNITS** - Speed, time, weight, length, angles, force, density, volume. Measurement conversions.
E33 **ELEMENTS v2.3b** - Interactive periodic table for chemistry.
E36 **STEAM ENGINE** - Cross section animation of a steam engine. See how they work, with labels.
E37 **FOUR STROKE PETROL ENGINE** - Cross section animation of a car petrol engine.
E42 **GAS TURBINE ENGINES** - Cross section animations of an old and modern turbine jet engines.
E54 **STIRLING ENGINE** - Cross section animations of the Stirling engine.
E56/57 (2 DISKS) **AMERICAN FOOTBALL** - Comprehensive illustrated rule book of this sport.
E53 **CHILDRENS FAVOURITES** - Five nursery rhymes. Pictures, on-screen words and the tunes.

BUSINESS SOFTWARE

U312 **BUDBASE V1.2** - Simple to use database.
U311 **EASY CALC PLUS** - Commercial quality spreadsheet. Loads of features. •NOT A500•
U309 **EASY CALC** - Almost the same as U311 but minus the graphs facility, but works on the A500.
U310 **PAY ADVICE DATABASE v3.00** - Payslip database.
U303 **INVENTORY v2** - Stock control, staff wages database and general database all in one.
U135 **600 BUSINESS LETTERS** - A letter for every occassion. Job applications to complaints.
U273 **ACCOUNT MASTER v2.1** - Very powerful personal finance accounts programme.
U265 **JOURNAL v2.00** - Another decent accounts programme.
U242 **LAST WILL AND TESTAMENT** - Ready prepared wills to cover endless situations.
U209 **FORM REALLY UNLIMITED** - Invoice and form designer with print facility.
U166 **BIZCALC** - Loan and mortgage calculator.
U304 **TEXT ENGINE v3.4** - The best shareware word processor. With intergrated spell checker.

GRAPHICS UTILITIES

U1 **ULTIMATE ICON DISK** - Edit, draw your own Workbench icons. Import graphics from IFF paint packages. Loads of example icons included.
U3 **M-CAD** - The only PD Computer Aided Design programme. Pretty good.
U9 **C LIGHT** - Ex-commercial raytracer, now shareware. Easy to use.
U62 **SCENE GENERATOR** - Fractal landscape generator. Produces realistic mountain landscapes with water, clouds, snow, etc...
U115 **LAND BUILD** - Another powerful fractal landscaper.
U102 **AMIGA FOX** - Desktop publishing package.
U142 **FREE PAINT** - The best PD IFF paint proggy.
U208 **CYCLOPS** - Plasma picture generator. Colourful and weird effects.
U271 **POLYED** - Animation creator. Uses polygons to allows large animations on low memory Amiga's.
U296 **GRINDER** - Powerful picture format convertor. Supports IFF, GIF, HAM-E, HAM, TIFF, ATARI, etc.
U289 **MINI MORPH** - Picture warping and morphing programme. Supports 16 colour pictures.
U286 **KIDS PAINT** - Simple, easy and functional art package for youngsters.
U306 **ELECTRONICS CAD** - Schematic designer.
U211 **CAPTIONATOR** - Scrolling text video titler.
U187 **MOBED 2** - Sprite drawing and animation editor. For coders.
U154 **AUDIO ANIMATION** - Animation studio with onion skin facility. Sound samples can be assigned to any frame.
U54/U55 (2 DISKS) **VIDEO UTILITIES** - Collection of useful video titling tools.
U285 **sMOVIES** - Video titling tool. For adding scrolling text to videos. Text can scroll up or down and across the screen. Plus some other xtra fx.
U295 **MIXED IMAGINE OBJECTS** - Loads of Star Trek objects and military hardware objects for use with the Imagine raytracer.

CLIP ART

U236 - Photo copiers, Office, Men at work.
U230 - Food.
U224 - Sign boards, Star Trek, Christmas.
U223 - Sports, Transport, Work.
U221 - Anatomy, Buildings, Christmas, Holidays.
U220 - Animals, People, Places.
U218 - Cartoons, Construction, Religion, School, Weddings.
U100 - Teddy bears.
U96 - Easter, Christmas, Jungle Animals, Famous faces.
U95 - Zodiac signs, Computers, Symbols, Logos, Sport.
U251 - Babies, Furniture, Space, Skeletons.
U233 - Christmas.
U229 - Cars, Flowery decorations, Cupid, Hearts.
U227 - Palm trees, Party invites, Maps of Europe, Postage stamps.
U226 - Wild west, Crowds of people, Frames, Signs.
U225 - Fancy letters, Cars, Cute Animals.
U222 - Music, Silhouettes, Symbols, Teddy bears.

MUSIC TOOLS

U178 **COMPOSER** - Traditonal music composing with notes and staves.
U314 **OCTAMED TUTOR** - comprehensive manual for struggling Octamed users.
U200 **SHADOW SAMPLE MAKER** - Create sound samples without a sampler.
U325 **OCTAMED V2.0** - The best PD music sequencer around. Quite complex, but well worth the effort.
U183 **PROTRACKER** - Another good music sequencer.
U256 **ST-05** - Sound samples and intruments for use with either U183 and U325.
U257 **ST-11** - As above.
U258 **ST-50** - As above.
U259 **ST-87** - As above.
U260 **ST-88** - As above.
U261 **ST-89** - As above.
U262 **ST-91** - As above.
U263 **ST-92** - As above.
U264 **ST-93** - As above.

DISK UTILITIES

U281 **D-COPY 3.1** - Powerful disk duplication software.
U215 **FREECOPY** - Removes various types of copy protections from a variety of commercial games.
U283 **LOCKPICK** - Similar to Freecopy but supports some other different titles - around 450.
U158 **NOERRORS** - Formats hard drives and floppies with hard errors (physical damage to surface) and hides them so data will not be written or read from the bad tracks. Saves you money, useless disks can now be used.
U94 **MRBACKUP** - Hard drive backup software.
U327 **DISKSALV 2** - Corrupt data recovery. Undeletes files, validates disks, reads badly corrupt files and rewrites them, etc.... •NOT A500•
U328 **MAVERICK COPIER** - Another commerical game protection cracker. Well over 400 games supported.
U329 **EPU HARD DRIVE STACKER** - Increases hard disk space upto 50% using special compression libraries which compress files written to the disk. Stays hidden in the background.

MIXED UTILITIES

U291 **RELOKICK** - Downgrades your A500+, A600 or A1200 to Kickstart 1.3. Very reliable compatibility ratio when used to run many A500 only titles. Even works with many commericial games. Essential.
U301 **A-REXX MANUAL** - Extensive manual on the A-Rexx programming language. Many example scripts.
U206 **RACE RATER** - Horse racing predictor.
U294 **POOLS TOOLS** - Football pools predictor.
U323 **FOOTY** - Football league database. Presents various types of statistics, plus match predictions.
U316 **MAGIC WORKBENCH** - Give your Workbench a cosmetic face lift. Changes the icons and a choice of background patterns. •NOT A500. REQUIRES A HARD DRIVE•
U293 **PARBENCH** - Amiga networking software. Allows communications and comtrol bewteen two connected Amiga (even CDTV) computers.
U282 **TERMINUS 2.0** - Excellent modem communications software.
U300 **NCOMM 3.0** - Lastest version of this incredibly popular communications package. Very easy to setup. Great for beginners.
U267 **SPECTRUM EMULATOR V1.4** - Run Spectrum games on your Amiga. Load in software via a sampler. Games can then be saved to disk.
U241 **CANON PRINTER DRIVERS** - Bubble Jet drivers for the following models: CanonBJ30, CanonBJ10-20, CanonBJ300-300.
U239 **STAR PRINTER DRIVERS** - 9 and 24 pin printer drivers for the Star range of printers.
U103 **MESSYSID II** - Transfer files to and from Amiga DOS and PC MSDOS disks.
U313 **AGA UTILITIES** - Loads of utilities for A1200 owners. Includes a number downgrading tools.
U274 **CG FONTS COLLECTION VOL.1** - Scalable Compugraphic fonts for word processors and DTP that support this format. High quality.
U275 **CG FONTS COLLECTION VOL.2** - As Above.
U276 **CG FONTS COLLECTION VOL.3** - As above.
U308 **CG FONTS COLLECTION VOL.4** - As above.
U318 **BLITZ BLANKER** - Brill screen blanker written in Blitz Basic, includes source code. Comes with a variety of modules. Best used with a hard drive.
U163/164 (2 DISKS) **A64 PACKAGE** - Commodore 64 emulator. Run C64 games on your miggy. •NOT A1200•
U146 **AMIGA SYSTEMS CHECKERS** - Suite of Amiga system performance testers and diagnostic analysers.
U112 **AMOS WORD SQUARE SOLVER** - Locate those elusive words.
U111 **GOLFSCORE** - Golf score database. Keep a computerised record of your results.
U7 **GHOST WRITER** - Intro demo writer. Also include your own music modules.
U180 **BROWSER II** - Superb directory utility. For transfering files etc.. Editable pull down menus.
U188 **EDIT KEYS** - Keymap editor.
U269 **DART MACHINE** - Computer dart scoring.
U290 **CHARACTER GENERATOR** - Advanced Dungeons and Dragons character generator. Every rule is realised by the programme for character creation. Also will print out the character sheet.
U280 **LEMMINGS II HARD DRIVE INSTALLER** - Install Lemmings 2 on your Hard drive. •NOT A500, REQUIRES 1.5 MEGABTYES OF RAM•
U302 **AMOS NCOMMAND** - Design Workbench 2.0 style front ends for your Amos programmes. Saves as Amos source code. Save yourself hours of coding.
U307 **AMOS PRINTER ROUTINE** - Creates GFX printer printer routines for Amos projects.
U248 **NOAH'S BEGINNERS GUIDE TO THE AMIGA.** -Tutorial for complete beginners. Based on the A500 but loads of universal information for all models. Also covers hardware like, modems, hard drives, and printers.
U240 **AMOS LESSON 1** - Easy Amos tutorial. Focuses on basic screen commands, giving many examples (interactive) on how they work and for what purpose they can be used for.
U173/174 **NORTH C** - Complete C programming environment.
U160 **POWER LOGO** - Logo programming language.

DEMOS •A1200 ONLY•

D153 **RETINA** - Energetic rave music with flashy effects. Turn down the lights!!!
D157 **MOBILE - DESTINATION UNKNOWN** - Spectactular vector demo.
D159 **LETHAL EXIT** - Long running vector based demo. Light sourced vectors and tunnels....
D160 **TROJAN - TECHNO TRACKS II** - Rave demo from the US of A.
D149 **PLANET GROVE** - Very eye catching.
D158 **NOP AGA** - Little demo from Hungary.

DEMOS

D161 **FAIRLIGHT 242** - Twenty nine megabytes of graphics compressed onto one disk. Incredible. Cool rave demo. •A500+ & A600 USERS REQUIRE FAST RAM OR RELOKICK•
D162 **FRONTIER** - Rolling demo of Elite II.
D156 **JETSET** - Vectors and graffiti.
D148 **STATE OF THE ART** - One of most graphically impressive music demos ever.
D140/141 (2 DISKS) **RSI TIME ZONE** - Awesome megademo.
D124/125 (2 DISKS) **REAL EMPATHY** - Fifteen minute demo with a shoot-em-up at the end. •A500 ONLY•
D122 **BURGER HILL** - Influeneced by the humble hamburger. •A500 ONLY•
D114 **ALPHA OMEGA** - Very clever demo. •NOT A1200•
D111 **FRACTAL FRENZY** - Mandlebrot demo. Fast real-time calculations.
D90 **SESPOIR** - Pretty classy demo.
D77 **MELTED EXPERIENCE** - Recommended for all serious demo colectors.
D65/66 (2 DISKS) **SILENTS BLUE HOUSE** - Strange combination of a Thrust clone and loads of music tracks. V.good. •NOT A1200•

MUSIC DEMOS

M137 **DIGITAL DEBUSSY VOL 1** - Five haunting piano renditions of Claude Debussy. By Rob Baxter.
M138 **DIGITAL DEBUSSY VOL.2** - More piano suites.
M139 **CLASSIX** - Music of three famous composers: Handel, Bach, and Pachelbel.
M134 **RHAPSODY IN BLUE** - Popular jazz music. From the Galaxy chocolate advert!!!
M130/131/132/134 (4 DISKS) **THE A-Z OF C64 SONGS** - Hundreds of classic Commodore 64 tunes from games. Many from the top game music composers of that era. Great stuff.
M129 **TOCATA & FUGUE IN D MINOR** - Well known popular classical music piece - but no one seems to know the name? •NOT A500•
M125 **MUMBO JUMBO** - Decent music and intersting visuals. Things fly all over the place.
M122 **GOSPEL KARAOKE** - Sing a long to the words and sampled music.
M119 **TECHNO WARRIRORS** - Rave for over 24 minutes.

SLIDESHOWS

S88 **FORGOTTON** - Riveting fantasy artwork.
S87 **TERMINATION PICTURE SHOW 1** - Hand drawn characters from 2000AD and the DC comics.
S86 **CAT SLIDESHOW** - Digitised cute and fluffy kitties.
S85 **NAM SLIDESHOW** - Snaps from the Vietnam war.
S73 **GULF WAR SLIDESHOW** - What hardware was used in the conflict.
S67 **NAGEL SLIDE** - Hand drawn pictures of seductively dressed ladies.
S99 **JURASSIC PARALLAX** - Many vicious dinosaurs.
S98 **SATURNE 93** - Well drawn artwork, from Manga art to fantasy art.
S91 **MANGA WORLD** - Needs no introductions, the cult japanese cartoons.
S92 **AKIRA** - More Manga pictures.
S100 **FERRARI AGA** - Fast sports cars. •A1200 ONLY•
S94 **NIGEL MANSELL AGA** - Nige in his Formula One racing days with Williams. •A1200 ONLY•
S93 **REVELATIONS** - One of the best hand drawn slideshows ever. Amazing attention to detail.

GAMES

G282 **MEGABALL AGA** - Superb arkanoid clone in 256 colours. A real quality game by any standard. •A1200 ONLY•
G288 **NUMERIX** - Excellent board game for 1 or two players. A hybrid of Tetris, Dominos, and Scrabble.
G273/274 (2 DISKS) **STARBASE 13** - Sci Fi graphic adventure. Uses point and click interface used by such games like Monkey Island.
G222 **CHESS GAMES** - 2 very well programmed chess games: GNU Chess •NOT A500•, and Chess 2.0 (for all Amiga's). Includes 10 top Chess tips on how to play succesful Chess.
G280 **BLACK DAWN** - 3D perspective dungeon game with an Alien Breed scenario.
G37 **SEALANCE** - Submarine wargame.
G183 **BOUNCE & BLAST** - Very playable platform blasting game. Brillant cartoon sprites.
G193 **HELLZONE** - Shoot-em-up like R-Type.
G200 **FIGHTING WARRIORS** - 1 or 2 player martial arts combat game. Large well animated characters with numerous moves including a couple of special moves.
G205 **TOP OF THE LEAGUE** - Soccor management game.
G210/211 (2 DISKS) **TALISMAN** - Huge icon driven graphic adventure. •REQUIRES 2 MEGABYTES•
G212 **FRUSTRATION** - Text based adventure. Loads of depth.
G224 **OBLIVION** - Fast moving defender clone.
G226 **MORIA V5.4** - Massive RPG, Dungeons and a town to explore. Hours of play.
G229 **GIGER TETRIS** - Tetris with 256 colours. •A1200 ONLY•
G232 **MONACO** - Arcade game clone. Fast and furious.
G237 **BACKGAMMON** - Computer version of the board game. One or two players.
G241 **IMPERIAL WALKER** - Take control of an X-Wing fighter and stop the Imperial Walkers from reaching the Allied HQ. 3D Game.
G246 **WIBBLE WORLD GIDDY** - Amazing platform puzzle game similar to the budget Dizzy games.
G169 **DONKEY KONG** - Fun platform game. The first game to feature Mario in the arcades. •NOT A1200•
G238 **TETREN** - Tetris game with themed levels. Takes the theme one step further.
G271 **JELLYQUEST** - 3D isometric puzzle game.
G168 **OTHELLO** - Good version of the board game. Computer player is a real tough customer.
G276 **THE GREAT ESCAPE OF BILLY BURGLAR** - Lovely little platform game. Help Billy escape from the spotlights.
G68 **INSIDERS CLUB** - Stockmarket game. Better than it sounds. Very polished addictive game.
G177 **CRAZY SUE II** - Very popular platform adventure game.
G35 **JAR** - Crystal Castles clone. An old arcade game a bit like Pacman with raised platforms. 3D isometric. A real cassic PD game.
G183 **TREASUE ISLAND** - Treasue search game for youngsters.
G286/287 (2 DISKS) **EXORCISM** - Sinister graphic text adventure in a haunted house.
G283/284/285 (3 DISKS) **KLONDIKE DELUXE AGA** - Fantastic card game, Each card shows a different 256 colour picture. Glamourous ladies.
G253 **LCD DREAMS** - Four hand held game clones.
G254 **THE LAST REFUGE** - Entertaining medieval shoot-em-up.
G255 **AMOS CRICKET** - Cricket game.
G256 **SHANGHAI** - Oriental tile board game.
G257 **DELUXE PACMAN** - Great Pacman clone. Much improved over the original. Includes power items besides the normal power pills.
G258 **BONDMINE #13** - Boulder Clone at it's best. A game not to be missed.
G268 **SLAMBALL** - Futuristic American football management game. Based on Speedball.
G269/270 (2 DISKS) **18th HOLE** - Awesome golf game.
G239 **RAID III** - Game produced using the Shoot-em-up construction kit. Superb graphic detail makes it about the best PD game created using this designer. Looks a bit like SWIV.
G139 **CROAK** - Frogger clone. 2 player mode where you race against a friend at the same time. Great laugh.
G142 **BATTLEMENTS** - Rescue Esmerelda in the Hunchback clone.
G158 **BRAIN BALL** - Look looking original puzzle game. Requires great skill, so it's pretty tough.
G240 **BILLY THE DRAGON** - Easy going cute blaster for kids.
G196 **CAG** - Produces graphic adventure games. No porgramming knowlege required.
G88 **21 GAMES** - Chinese Checker, Amigamines, Cosmoroids, Peg puzzler, Tic tac toe, Belly ll, Backgammon, Up and down, Deluxe Hamburger, Kamikaze chess, Egyptian run.... And loads more.

IN CASE YOU DO NOT SEE A PARTICULAR TITLE YOU ARE LOOKING FOR, ENQUIRE OVER THE PHONE, AND WE WILL BE HAPPY TO TELL YOU WHETHER WE STOCK THE TITLE/S. THIS MAGAZINE ADVERT IS ONLY A VERY SMALL SELECTION OF WHAT WE HAVE IN STOCK.

PHONE ENQUIRES (MON-FRI 9.00 AM TO 6.00 PM): 0272 741462

PD UTILITIES

Come on down, the price is always right at Tony Horgan's PD barrow. This month's bargains include sound samples, circuit designers and astronomy programs. Anyway you like 'em folks!

STARVIEW
astronomy



How do you fancy a star map that generates itself almost instantly? Well, that's what you get with Starview. It allows you to see exactly what you would see from anywhere in the world, at any time you specify.



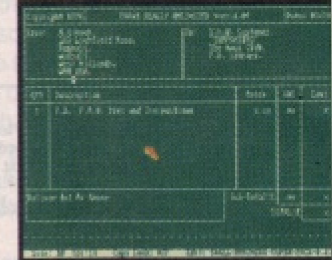
Prominent constellations are picked out with dot-to-dot lines, and labelled by name. Mouse-controlled slider bars at the bottom and side of the screen let you scroll around the sky to get the full view. There's even a handy find option, which gives you a list of 48 stars that it can pick out in an instant. A simple zoom slider lets you take a closer look at any particular area and map print outs are also available.

Available from: Barkin Mad, 18 Rhyber Avenue, Lanark, Lanarkshire, ML11 7AL. Disk no. 1370. Price: £1.25 including P+P. **89%**

SMALL BUSINESS SUPER PACK
applications compilation

Anyone running a small business using PD software must have quite a job on their hands. However, help has arrived in the shape of the Small Business Super Pack, an expansive 10-disk collection of PD utilities and applications.

On the menu tonight we have: *Butler James* (diary and planning tool), *Biorhythm* (biorhythm chart generator), *Filemaster* (file handling utility), *D Copy 3.1* (copier), *Text Engine 3.0* (word processor), *AZ Spell* (spell checker), *Forms Really Unlimited* (form designer), *House Inventory* (stock / property list), *Graphpaper* (prints out graph paper), *Kill AGA 2.0* (A1200 / A4000 degrader), *Powerdata* (database), *Account Master* (accounting), *Amibase Pro* (database), *600 Business Betters* (examples), *Amiga Fox* (desktop publishing), *Doc Dump* (text utility), *Ilinios 3.0* (labelling system).

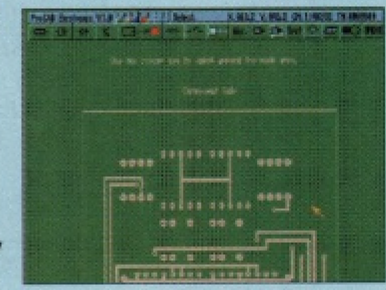


You get all of this for a tenner, which can't be bad, even if some of the programs are a bit on the shaky side when compared to their commercial counterparts.

Available from: GVB-PD, GV Broad Enterprises, 43 Badger Close, Maidenhead, Berkshire, SL6 2TE. Tel: 0831 649386. Price: £10.00 including P+P. **83%**

PROCAD ELECTRONIC 1.0
circuit designer

This must be a popular disk, as I've received about six or seven copies of it this month from various sources. It's a CAD program, specifically written for designing circuit boards. Everything's controlled from the mouse, with a strip of bold icons along the top of the screen. You pick your components from the icon strip, and then lay them down on the circuit board below.



Clicking on the resistor icon for example, lets you cycle through a number of variations on the standard resistor. Diodes and other components also have multiple variants. There's provision for you to load in your custom component parts, there's a useful zoom function and, of course, you can print out your designs once they're finished. A must for all home electronics bods.

Available from: Immediate Arts PD, 26 Lyndhurst Gardens, Glasgow, G20 6QY. Tel: 041 946 5794. Price: £1.00 including P+P. **90%**

DESKTOP GUIDE TO ELECTRONIC MUSIC
instructional guide

This guide contains everything you never wanted to know about synthesisers and includes an informative guide to sound construction.

If you want to know about the physics of how sound travels through air, exactly what a low-pass filter is, and need a crash course in ADSR envelopes, then this program could be useful.

However, this guide is presented in a linear fashion, so, unlike a *Hyperbook* presentation, which would let you jump around from one section to another, this just ploughs on at its own pace, which can be a bit frustrating. Also, most of the tutorial is narrated by dodgy-sounding synthesised speech, backed up by annotated diagrams. If you've only got one floppy drive, there's plenty of disk swopping too. Budding synth designers may like to take a look though.

Available from: Your Choice PD, 39 Lambton Road, Manchester, M21 OZJ. Tel: 061 881 8994. Disk nos. ED071 a+b+c. Price: £3.90 plus 70p P+P. **58%**

COMPLIFIX SAMPLES
sound samples

You can never have enough samples. This two-disk collection of IFF and RAW samples covers the usual range: brass, guitar, keyboards, orchestral and sound effects on disk one, with bass, drums, cymbals and synths on the second one. The quality varies from good to poor, but while I was skipping through the samples, I couldn't help cleaning them up and saving them back out again. Lesson: If you're going to release a set of samples, you really do need to make sure that they sound crisp and pure. After all, most people can record samples, but what makes a collection stand out from the crowd is its quality and originality.

This could have been an impressive set of sounds, and still might be – if you're prepared to work a little with them.

Available from: Complifix, 16 High Street, Gillingham, Kent, ME4 1BB. Price: £1.00 per disk plus 50p P+P per order. **59%**

»

GVB - PD

AMIGA PUBLIC DOMAIN DEPT (CU AMIGA), 43 BADGER CLOSE MAIDENHEAD BERKS; SL6 2TE UK
Second to none 1st Class service PLEASE PHONE 0831 - 649386 BETWEEN 9.00AM TO 7.00PM

✂ CUT TICK & POST .... ✂ CUT TICK & POST .... ✂ CUT TICK & POST

GRAPHIC UTILS

- U.9 HAMLAB, CONVERTER
- U.25 CARTOON BRUSHES
- U.28 TALKING COLOURING BOOK
- U.38 PICTURE CONVERTERS
- U.88 LANDBUILD
- U.105 COLOUR IT 1.3 KIDS
- U.337 SLIDESHOW CONSTRUCTION KIT
- U.149 KIDS PAINT
- U.167 GRAPHICS CONT KIT
- U.194 C-LIGHT
- U.239 SCENERY CONSTRUCTION KIT
- U.245 A& B GRAPHIC UTILS (2) DISKS
- U 65 T.A.C.K. 1.2 THE ANIMATION CONSTRUCTION KIT
- U66 T.A.C.K.MUSIC MODULES
- U.67 T.A.C.K. MENU PICTURES
- U.79 ANIMATION STUDIO
- U.110 LYAUNGAN GENERATOR
- U.134 IMAGE UTILS V.GOOD
- U.137 SLIDESHOW CREATOR
- U.144 COLOUR CLIPART 1
- U.145 COLOUR CLIPART 2
- U.171 MOBED 2.SPRITE ED
- U.194 C-LIGHT V1.6
- U.234 MANELBROT GENERATOR
- U.272 SPECTRAPAINT
- U.340 GRAPHICS GRINDER V.GOOD

FONTS

- U.30 FONTS DISK 1
- U.31 FONTS DISK 2
- U.32 FONTS DISK 3
- U.33 FONTS DISK 4
- U.34 FONTS BACKGROUND FOR DPAINT
- U.43 DYNAMITE BRUSH FONTS FOR DPAINT
- U.49 FONTS FOR DPAINT
- U.101 100 DPAINT FONTS
- U.227 MORE DPAINT FONTS
- U.397 GC FONTS 1
- U.398 GC FONTS 2
- U.399 GC FONTS 3
- U.400 GC FONTS 4
- U.401 GC FONTS 5
- U.402 GC FONTS 6
- U.403 GC FONTS 7

USE THESE FONTS IN PRO PAGE & PAGESTREAM

EDUCATIONAL

- U.7 STARCHARTS V1.2
- U.338 MING SHU CHINESE ASTROLOGY
- U.335 DESKTOP MUSIC GUIDE (3) DISKS
- U.243 BACK TO SCHOOL 1
- U.244 BACK TO SCHOOL 2
- U.293 BACK TO SCHOOL 3
- U254 KIDS ALPHABET
- U.264 PICTURE & LETTERS KIDS
- U.265 AMIGA BEGINNERS GUIDE
- U.329 CHEMESTETICS
- U.271 GVB-PD EDUCATION 1
- M.52 SINGALONG NURSERY RHYMES
- U.281 MATHS DRILL
- U.282 MATHS MASTER
- U.283 G.C.S.E. MATHS MODULE 1
- U.284 LANGUAGE TUTOR GERMAN FRENCH SPANISH ITALIAN
- U.285 HIGHWAY CODE TUTOR MODULE 1
- U.28 TALKING COLOURING BOOK
- S.034 THE INVISIBLE WORLD
- S.044 A VISIT TO MARS
- U.045 HOW THE EARTH BEGAN
- A.004 STEAM ENGINE ANIMATION
- A.006 JET ENGINE ANIMATION
- A.015 FOUR STROKE ENGINE ANIMATION
- A.112 COLOUR CYCLEING PICTURES
- A137 THE STERLING ENGINE ANIMATION

UTILITIES

- U.333 RACE RATER V1.6
- U.323 UKSTD CODES & POST CODES
- U.37 PRINT STUDIO
- U.336 PAY ADVICE ANALYSER V1.27
- U.334 TERM V2.1 MODEM PROG (2) DISK
- U.332 DRAWMAP. VERY GOOD
- U.57 MED 3.11 MUSIC PROGRAM
- U.59 RELOCKICK 1.3
- U60 LABEL MAKER VERY GOOD
- U.64 HAM RADIO UTILS (6) DISKS
- U.318 IMPLODER 4 DISK CRUNCHER
- U.75 500+ EMULATOR
- U.76 MESSYSID V2.0
- U.99 LABELBASE VERY GOOD
- U.324 TRINOCAD ELECTRICAL CIRCUIT
- U.111 COMPUGRAPHIC FONTS
- U.120 FONT FARM BRILLIANT
- U.385 A.VISION & SOUND 2001 DISK 1NEW
- U.385 A.VISION & SOUND 2001 DISK 2NEW
- U.385 A.VISION & SOUND 2001 DISK 3NEW
- U.341 HP550 PRINTER DRIVERS & OTHERS
- U.058 LOCKPICK 1
- U.317 LOCKPICK 2 OK 1200 & PLUS
- U.316 IBM PC EMULATOR V1.63 DEMO
- U.082 GATORS GRAPHIC GALLERY THIS DISKWILL HELP WITH DPAINT
- U.327 STOCK ANALYST DEMO
- U.113 ADDRESS PRINT & DATABASE
- U.314 SPECTRUM EMULATOR V1.7
- U314A SPECTRUM GAMES OK 1200 +

FRED FISH DISKS I STOCK 1-950

VIDEO UTILITIES

- U.3 CAPTIONATOR VIDEO TITLER
- U.11 GVB-PD ANIM & VIDEO UTILS 01
- U.13 VIDEO SCREENS PICTURES
- U.40 A/B/C/ VIDEO GRAPHICS 3 DISKS
- U.41 A/B VIDEO APPLICATIONS 2DISKS
- U.224 A/B VIDEO 1 & VIDEO 2. 2 DISKS
- U226 TV GRAPHICS
- U237 A.B VIDEO & ANIM UTILS 2 DISKS
- U.252 INSCRIPT TITLING PROGRAM

ANIMATIONS

A144 MEAN CD MACHINE 4 megs (4) disks brill Watch the CD 32 kick the CDI & MEGA CD ASSES

- A144 LAST STAND ON HOTH..2 MEG (4) DISKS
- A140 2 WAYS TO STOP SMOKING M 1.5 MEG
- A127 5 WAYS TO KILL A MOLE. SICK.
- A128 5 MORE WAYS TO KILL A MOLE

LOTS MORE ANIMATIONS IN CATALOGUE DISK

SMALL BUSINESS SUPER PACK only £10.

FREE CATALOGUE DISK WITH THIS ORDER

11 DISKS TO HELP YOU WITH YOUR FINANCES ALMOST ALL YOU WILL EVER NEED

DISK 1
SHAREWARE MANAGER V2.03
Keep track of your shares.
FILEMASTER. Will let you move files from disk to disk.
DCOPY 3.1 Backup your important disks

Biorythms. Is an intuition based program that shows the basic biorythms intellectually, emotionally & physically plus an average curve.

BUTLER JAMES.A very good diary & planning tool.

DISK 2
TEXTENGINE V4.1 1991-93
- Brand new screen layout
- Text searcher facility.
- 128Kb text buffer
- Built-in spell checker with 36,000 word dictionary.
- Fully WB2 (and above) compatible with enhanced features on these.
-ASCII files coan be loaded and saved with ease
- 12 text stylesavaiable for usewiyh any preferences supported printer
- Upto 99 copiesof a documentcan be printed at once
- Complete configuration options covering page margins, macros (function keys) and colour palette.
- Both PAL and NTSC monitors are supported, with the choice of hi-res displays
- Full warp

DISK 3
FORMS REALLY UNLIMTED V1.4
NOW YOU CAN PRODUCE YOUR OWN INVOICES
ALSO MANY OTHER PAPER BASED FORMS LETTERS
DEMANDS BEGGING LETTERS

DISK 4
HOUSE INVENTORY GRAPH PAPER
KILL AGA V2.0 POWERDATA

DISK 5.
ACCOUNT MASTER V2.13 1993
Briefly, Account Master has the ability to use the Amigas real time clock to automatically carry out regular direct debit transactions. You could leave it a day , a week or a lifetime but as soon as you load Account Master your account will be updated.
You want multi-tasking ? No problem! Up to 1000 entries can be accepted per account

DISK 6. AMIBASE PRO V2.0 DATABASE

DISK 7. 600 BUSINESS LETTERS

DISK 8. AMIGA FOX DESK TOP PUBLISHING

DISK 9. DOC DUMP 3.6

DISK 10.
ILLINOIS VERSION
The ultimate mini labelling system? Have you ever used a commercially available labelling system or a softwarepackage that tries to incorporate labelling features into it's main programme e.g. a database or wordprocessor and discover many limitations such as: only being capable of printing in a specificstyle or printing in a specific style or printing only on e copy of any label etc Wouldn't it make a difference if those limitations were removed.
STOCKBROKER Helps you follow your shares

DISK 11. BONUS DISK
A GRAPH. PIE /LINE/BAR CHARTS.
WBASE. SMALL DATABASE
BIZCALC. LOAN CALCULATOR

TYPE OR DIE
TYPIST
TYPING
TUTOR

DOCS DISKS

DKS 21 JOLLY ROGERS COOK BOOK 3.
THIS IS THE ONE THEY MAKE ALL THE FUSS ABOUT IN THE SUN.
DKS 60 THE FINAL FRONTIER (4) DISKS
STAR TREK DISK MAGAZINE ISSUE 3
ALL YOU NEED TO KNOW
I STOCK ALMOST ALL OF THE GRAPEVINE DISK MAGAZINES

TICK CUT AND POST THIS ADVERT

GAMES

- G.152 ROAD TO HELL
- G.155 MOTOROLA INVADERS (2) DISKS AGA
- G.156 STARBASE 13 (2) DISKS BRILLIANT
- G.157 EXCELLENT CARDS & MANCALA .
- G.158 BALDERS GROVE WB2/3 ONLY. BRILL
- G.162 AIRPORT. YOU'RE IN CONTROL

SLIDESHOWS
S50 WORLD OF MAGNA AGA ONLY (4) DISKS BRILLIANT

ASSASINS DISKS

I STOCK THE VERY LATEST ASSASINS DISKS

ASSASSINS UTILITIES

- ASIU 01 MEGABOOT UTILS
- ASIU 02 LABEL PRINTERS
- ASIU 03 A1200 FIX DISK
- ASIU 04 HANDY TOOLS 1
- ASIU 05 HANDY TOOLS 2
- ASIU 06 HANDY TOOLS 3
- ASIU 07 MULTIEVISION
- ASIU 08 MULTIEVISION2
- ASIU 09 AUDIO MAGIC 1
- ASIU 10 AUDIO MAGIC 2
- ASIU 11 AUDIO MAGIC3
- ASIU 12 AUDIO MAGIC4
- ASIU 13 ASSASSINS MODULE1
- ASIU 14 ASSASSINS MODULE2
- ASIU 15. AUDIO MAGIC VOL 5
- ASIU 16. ASI MULTIPRINT V1.0
- ASIU 17 ASI MULTIPRINTV2.0
- ASIU 18 ASI VIDEO TITLER

ASSASSINS GAMES 1 TO 155 ANY 50 ASSASSINS GAMES DISKS £35.00p LATEST DISKS

U338. MING-SHU CHINESE ASTROLOGY.
U341. HP550C PRINTER DRIVER PLUS DRIVERS FOR PANASONIC & OTHERS
U342. STAR VIEW ASTROLOGY
U343. COMMUNICATE
Iif you want to learn sign language then,look no further morse flags plus more
U344. DESK TOP VIDEO STUFF
U346. ASTRO 22 V3.5
ASTRO 22 PRO .astrology is a program that accurately calculates the position of the planets cusps and zodiac positions.
U347. MUSIC ENGINE V1.32
U379. GVB-PD VIRUS KILLER COLLECTION
VIRUS CHECKER V6.33 VIRUSZ II V1.0
BOOTX V5.23B.

ALL DISKS £1.00EACH INCLUDING POSTAGE

ALL DISKS TESTED ON A1200-A500 PLUS AND A500 CHECKOUT CATALOGUE DISK

SEND 3-1st CLASS STAMPS FOR MY CATALOGUE DISK OR 4 STAMPS FOR CAT & FISH CAT

PLEASE MAKE CHEQUES & POSTAL ORDERS OUT TO G. BROAD. ENT

NAME : ....

ADDRESS:..

....

....*POSTCODE*

TELEPHONE NUMBER:..................*ACCOUNT NO:*.................. *CU AMIGA APRIL*

✂ CUT TICK & POST .... ✂ CUT TICK & POST .... ✂ CUT TICK & POST

ORION PD

EST. 1992

SPECIAL PACKS

GAMES PACK 1	30 GAMES	5 disks £5.99
GAMES PACK 2	30 GAMES	5 disks £5.99
EDUCATION PACK 1		5 disks £5.99
EDUCATION PACK 2		5 disks £5.99
C64 GAMES PACK		5 disks £5.99
SPECTRUM GAMES PACK		5 disks £5.99

ASI Games 1-156 The best games collection
LSD Legal Tools 1-150 The best utilities collection
CATALOGUE DISK £1.00 4500 Titles in stock
FRED FISH 1-930 Fish catalogue £1.25

HOW TO ORDER

Please make cheques with bankers card number or postal orders payable to "ORION PD".All orders despatched 1st class same day + = A500+/A600 compatible
* = Only WB2/3 compatible Y = A1200 Compatible
PLEASE STATE MACHINE WHEN ORDERING

PRICES

1-10 DISKS £1.25
11-25 DISKS 99p
26 + DISKS 89p

POSTAGE

UK ORDERS 75p
EUROPE £2.00
WORLD £4.00

Dept CU5
14 OUSTON CLOSE
WARDLEY
GATESHEAD
TYNE & WEAR
NE10 8DZ
Tel: 091-4385021

UTILITIES

- U001 Electro Cad +
- U003 M-Cad + Y
- U004 D-Copy 3.1 + Y
- U005 Messy Sid II + Y
- U008 Label Designer +
- U009 Land Builder + Y
- U011 Opti Utilities II + Y
- U015 Disk Salvage +
- U016 Red Devils Uti +
- U019 Super Killers +
- U020 Printer Utilities + Y
- U027 World Databank +
- U028 A64 Emulator (2) +
- U030 Label Print +
- U031 Cross 5.1 + Y
- U032 Sid II + Y
- U033 Print Studio 1.25 + Y
- U039 Gelignite Fonts 2 + Y
- U040 Amibase Pro 2 + Y
- U042 Typing Tutor + Y
- U043 Pro D-Copy 3
- U044 Cassette Labeller +
- U055 HD Click 2.53 + Y
- U064 SuperDuper 3.0 *
- U071 Icons 1 + Y
- U072 Free Paint +
- U073 Gelignite Fonts 3 +
- U074 Multiplayer +
- U079 Icon Editor 4.0 *
- U083 Cartoon Brushes + Y
- U086 Free Copy 1.8 + Y
- U088 Spectrum Emu1.7+Y
- U089 Text Engine 4.1 + Y
- U092 Pools Tools 2 + Y
- U099 Business Card +
- U100 Amiga Tutorial + Y
- U103 Animation Studio +
- U108 Fileofax + Y
- U115 Emulators 1 +
- U117 600 Business letters +
- U120 Magnetic Pages + Y
- U123 North C + Y
- U124/126 C Manual(3)+Y
- U128 A-Gene 4.18 + Y
- U138 Forms Unlimited + Y
- U139 PC Task 2.03 + Y
- U140 Animated requesters+
- U149 Amiback 2.2 + Y
- U154 ReOrg 3.11 + Y
- U157 Zoom + Y archiver
- U159 Disk Print 3.59 + Y
- U161/65 Pro C Manual(5)+
- U167 Canon/Star Drivers+
- U172 Power Player +
- U174 Magic file requester*
- U175 ABackup 4.1 + Y
- U176 BBase III 1.3 + Y
- U180 IQ Tester +
- U183 The Money Program+
- U221 Pro Demo Maker
- U223 Font Editor +
- U238 Landscape Gardening
- U247 Antiflicker +
- U253 Menu Master 3.0 + Y
- U254 Cheque Book + Y
- U255 Blue Rose Fonts 1 +
- U256 Video Manager + Y
- U260/64 WB2 Utilities (5)
- U271 Degrader 1.3 + Y
- U272 ZKick A600 emulator
- U275 Audio Anim Studio +
- U282 Nib 2 copier
- U283 Little Office + Y
- U313 Grinder + Y
- U314 PC<>Amiga + Y
- U334 Slip Stream Utilities+
- U338 Blue Rose Fonts 2+y
- U340 Sound Tracker 2.6+y
- U341 Icons 2 + Y
- U371 Lyapunovia 1.5 *
- U372 Virus Z latest + Y
- U380 VMorph + Y
- U382 Cartoon Pictures + Y
- U385 Copy & crack Tools+
- U394 Protracker 3.01 + Y
- U395 OctaMed 2 + Y
- U410/20 Amateur radio(11)
- U422 Last will,testament+y
- U423 Icons 3 + Y
- U435 A1200 down grader *
- U443 The essential copiers
- U445/48Video graphics(4)+
- U449 IBM/PC Emulator +
- U459 Printer Drivers 2 + Y
- U463/64 WB3 Utilities* (2)
- U565 Kids Paint +
- U566 W/B hacks + Y
- U568 Print Tools + Y
- U578 Scenery constraction
- U584 Ultimate disk creator
- U587 D-Paint Fonts + Y
- U611 Font Farm *
- U614 Dynamite Fonts1 + Y
- U621 Race Rater + Y
- U623 Speedy Workbench +
- U638 Mega Cheats 2 + Y
- U641 Custom Icons + Y
- U650 Word sort +
- U651 Address Print +
- U657 Adventure creator +
- U662 Pictures & Letters *
- U669 Football league editor
- U673 Magnum 1.9 + Y
- U676 Account Master +
- U677 SKick* emulate A500
- U678 D-Paint Tutorial +
- U679 Hard Disk Uti 2 + Y
- U680 Amiga World 2.0 + Y
- U681 FakeFast *
- U682 Quadra Composer +
- U685 ASI games fix disk *
- U686 Genealogist 3.04 *
- U689 Mr. Backup 1.14b + Y
- U691 Kill AGA 2.0 *
- U692 LSD copiers
- U697/98 Tool Mngr 2.1*(2)
- U713 Asi crunch & copy 2
- U718 Astronomy 1 + Y
- U727 HD Installer *
- U730 Disk salvage 2 *
- U737 Cheat list + Y
- U738 Planetarium + Y
- U749 Print Manager *
- U753 Dynamite Fonts 2 + Y
- U754 EDWord Pro 4.0 + Y
- U755 Dart Machine +
- U756 Lockpick 2 + Y
- U757 Print a card +
- U758 Pools Wizard + Y
- U759 Virus Protection +
- U762 A1200 classic fixes1*
- U763 A1200 classic fixes2*
- U764 Back to school 1 + Y
- U765 Back to school 2 + Y
- U766 Music Rippers +
- U771 Numpad A600 only
- U772 Flashing Bytes Uti 3+
- U773 Dream Paint + Y
- U796 Video production 3+
- U797 Action replay 4 A1200
- U822 Easy Calc Plus *
- U823 Engineers Kit + Y
- U824 Star View + Y
- U825 Disk Manager III + Y
- U827 Magic Menu 1.27 + Y
- U828 Viewtek 1.05 *
- U829 RDPrep * HD Uti
- U830 New HP Drivers + Y
- U831 Banner 1.4 + Y
- U834 Backup * HD Uti
- U837 Logicshop + test ccts
- U840 Backdrops 1.0 *
- U841 Videotitler 1.1 + Y
- U844 ABCDir 3 *
- U845 Snoopdos 2.0 *
- U846 MSM * Sys Monitor
- U848 Amigabase 1.31 + Y
- U849 Mod Player + Y
- U850 Safe Copy + Y
- U851 Ncomm 3.0 *
- U853 Andy's WB3 utilities
- U854 X-Kopia +
- U907 The little traveller+Y
- U908 Wine making uti +Y
- U968 Font farm 3 +Y
- U976 Copiers unlimited +
- U982 Musicbase +
- U983 Desktop video +
- U997/99 Iconsplus(3)+Y
- U1004 Highway code +
- U1014 OctaMed tutor+Y
- U1015 Magic W/B +Y
- U1016 Rush +Y Dir utility
- U1017 Ambush + Y
- U1018 Astro 22 v3.5
- U1022 Dividend winner+Y
- U1023 ARexx guide + Y
- U1024/25 A1200 Uti (2)
- U1026 ASI Video titles *
- U1027 Relokick 1.4 A1200
- U1029 ASI Fix disk 2 *
- U1030 Maverick copier +
- U1031 Mega monitor +
- U1032 ASI audio magic5+
- U1033 ASI W/B Tools *
- U1034 ASI Multivision4 *
- U1038 Gelignite fonts 4 +Y
- U1039ASI MultivisionAGA
- U1040ASI Audiomagic6+Y

Colour Clipart

- CCA Maps (12) + Y
- CCA Mammals (10) + Y
- CCA Trees (7) + Y
- CCA Insects (5) + Y
- CCA Birds (7) + Y
- CCA Flowers (13) + Y
- CCA Reptile (4) + Y
- CCA Fish (5) + Y
- CCA Vegetables (4) + Y
- CCA Dogs (10) + Y
- CCA Fruit (3) + Y
- CCA Horses (2) + Y
- CCA Plains (2) + Y
- CCA Dinosaurs (2) + Y
- CCA Instruments (2) + Y
- CCA Cars (1) + Y
- CCA Cats (1) + Y
- CCA Ships (2) + Y

Black & White Clipart

- BCA Weddings (2) + Y
- BCA Houses (2) + Y
- BCA Religious (3) + Y
- BCA WWII Aircraft + Y
- BCA Kids (2) + Y
- BCA Business (2) + Y
- BCA Office + Y
- BCA XMas (3) + Y
- BCA Schools (2) + Y
- BCA Babies + Y
- BCA Sport (2) + Y
- BCA Olympic + Y
- BCA Medical (2) + Y
- BCA Banners (2) + Y
- BCA Butterflies + Y
- BCA Borders (2) + Y
- BCA Mac clips (2) + Y
- BCA Teddy bears (2) + Y
- BCA Golf humour (2) + Y
- BCA Navy + Y
- BCA Travel (2) + Y
- BCA Alphabet (2) + Y
- BCA Fish + Y
- BCA Restaurant (3) + Y
- BCA Astrology (2) + Y
- BCA Buildings + Y
- BCA Garden + Y
- BCA Cats (2) + Y
- BCA Dogs + Y
- BCA People (5) + Y
- BCA Food + Y

GAMES

- G001 Compilation 1 + Y
- G002 Compilation 2 + Y
- G003 Compilation 3 + Y
- G004 Compilation 4 + Y
- G006 21 Games + Y
- G008 Yelp + Y
- G016 Super Quiz 2 + Y
- G017 Air Ace 2 Y
- G023 Doody +
- G027 Fruit Machine 1 +Y
- G029 Jigsaw +
- G038 Diplomacy + Y
- G039/40 C64 Games (2) +
- G051 Dragon Tiles + Y
- G054 Soccer League +
- G056 F1 Challenge 3.0 +
- G082 Monopoly 1 +
- G083/84 Star Trek 1+Y (2)
- G098 Super Pacman 92+Y
- G110 Fruit Machine 2 +Y
- G113 Top of the league +
- G114 Dr. Mario + Y
- G115 Soccer Card +
- G119 Battle Cars 2 +
- G120 Growth + Y
- G129 Tetren + Y
- G187 Total War + Y
- G188 No Mans Land +
- G192 New Card Games+y
- G194 Fruit Machine 3 + Y
- G204 Tennis +
- G220 Brat +
- G225 Empire +
- G236 Stock market game +
- G245 Return to Earth + Y
- G257 Chess Tutor + Y
- G258 Ethos + Y Adv
- G263 Airmania + Y
- G274 Survivor + Adv
- G298 Satu + Puzzel game
- G300 Cricket 1 + Y
- G303 Escape + Y
- G306 Dominos + Y
- G307 Trail Blazer + Y
- G308 Games Gallore 11 +
- G310 Airport + Y
- G312 Roulette + Y
- G316 Games Gallore 12 +
- G317 Klaktris + Y
- G320 Turbo Thrust+ Y
- G322/23 Olempiad + (2)
- G327 Games Gallore 13 +
- G328 Mind Games + Y
- G334 War + Y
- G335 E-Type 2 + Y
- G341 Battle star + Y Adv
- G342 Delux Pacman 1.4+y
- G343 Poker + Y
- G345 Monopoly 2 *
- G346 Shuffle Run + Y
- G347 Tank Hunter + Y
- G348/350 Nethack +(3)
- G351 Asteroids 2 + Y
- G353 Top Secret +
- G354 Tetris AGA *
- G355 Bomb Jacky + Y
- G356 Fighting Warriors +y
- G357 Crazy Sue 2 + Y
- G358 Solitaire Golf + Y
- G359 Tetris Pro + Y
- G360 Turbo Thrust + Y
- G361 Mad Bomber 2 + Y
- G362 Wibble world giddy+
- G365 Star Wars
- G366 Battleships
- G367 Boulderdash +
- G368 Crazy Pipes 2 + Y
- G369 Fruit Panic + Y
- G370 Volly Ball + Y
- G371 Fruit Machine 4 + Y
- G372 Rubik Puzzle + Y
- G373 Aztec Challenge +
- G374 Premier Pics + Y
- G375 Monaco + Y
- G376 Desert Defender + Y
- G377 Space Rescue + Y
- G381 Army Miner + Y
- G382/83 18th Hole (2) + Y
- G384 Artillerus + Y
- G385/87 Star Trek 3 (3) +
- G388/89 Neighbours (2)+
- G390 Scrabble + Y
- G391 The winning post + Y
- G392 Beetle + Y
- G393 Numtris + Y
- G394 Bop n Plop + Y
- G395 Spectrum games + Y
- G396/98 Klondike AGA*
- G400 Klawz + Y
- G401 Micro Market 1.2+Y
- G404 Dinowarp + Y
- G405 Road to Hell + Y
- G407 Slime Game + Y
- G408 Fatal Mission 2 + Y
- G409/10 Mr Men Olympics
- G411 3D Games 2 + Y
- G447 System defender +
- G449 Games galore 14 +
- G450 Games galore 15 +
- G462 Mexican massacre +
- G467 Skidmarks +
- G468 Grand prix manager+
- G470 Firefly + Y
- G471 Bondmine + Y
- G473/74 Starbase 13 (2)+
- G480 Popeye + Y
- G482 Space invasion +
- G484 Reversi 2 +
- G492/93 M/ invadors AGA
- G503 Excellent cards + Y
- G504 Megaball AGA
- G505 Gyves tetris + Y
- G506 Fruit Machine 5 + Y
- G507 Boulderdash 2 + Y
- G508 Exit 13 + Y
- G509 Wackman + Y
- G510 Digger + Y
- G511 Karate champ + Y
- G512 Pipeline 3 + Y
- G513 Backgammon + Y

SPECIAL PACKS

BUSINESS PACK 1 5 DISKS £5.99
Text Engine 4.1, Amibase Pro2, Amiga Fox DTP, Budget Home Accounts, Addresser, Typing Tutor, Business Card Spell Checker, Fileofax, superduper 3.0, World Time.

BUSINESS PACK 2 5 DISKS £5.99
Forms Unlimited, messy Sid II, Textplus 3.0, Spread, Smart Icon, Super Spell, HyperCat, 600 Business Letters, Flexibase, PC-Task 2.03, Label Print, Print Studio.

ADOBE TYPE 1 FONTS 5 DISKS £5.99
Type 1 Fonts are compatible with Pagestream2.1+, The Publisher, Final Copy 2 rel2, Final Writer.

PACK1.............	5 DISKS	£5.99	92 TYPE 1 FONTS
PACK2.............	5 DISKS	£5.99	78 TYPE 1 FONTS
PACK3.............	5 DISKS	£5.99	74 TYPE 1 FONTS
PACK4.............	5 DISKS	£5.99	78 TYPE 1 FONTS

SCALABLE FONTS 5 DISKS £5.99
Scalable Fonts are compatible with ProPage3.0/4.0, Pagesetter 3.0.

PACK 1.............	5 DISKS	£5.99	90 Scalable Fonts
PACK 2.............	5 DISKS	£5.99	76 Scalable Fonts
PACK 3.............	5 DISKS	£5.99	71 Scalable Fonts
PACK 4.............	5 DISKS	£5.99	76 Scalable Fonts

BITMAPPED CLIPART 5 DISKS £5.99
Compatible with any program that can import IFF images

PACK 1.............	5 DISKS	£5.99	Mixed Subjects
PACK 2.............	5 DISKS	£5.99	Mixed Subjects
PACK 3.............	5 DISKS	£5.99	Mixed Subjects
PACK 4.............	5 DISKS	£5.99	Mixed Subjects

HIGH QUALITY IFF CLIPART 5 DISKS £5.99
300-600 dpi images with superb quality printouts.

PACK 1.............	5 DISKS	£5.99	Mixed Subjects
PACK 2.............	5 DISKS	£5.99	Mixed Subjects
PACK 3.............	5 DISKS	£5.99	Mixed Subjects
PACK 4.............	5 DISKS	£5.99	Mixed Subjects

SOUND SAMPLES 5 DISKS £5.99
Hundreds of samples for Protracker, Med, OctaMed etc

PACK 1..........	5 DISKS	£5.99	High Quality samples
PACK 2..........	5 DISKS	£5.99	High Quality samples

MUSIC PACK 5 DISKS £5.99
Superb introduction to music, contains a music editor plus modules, music player, rippers and sound sampler.

FRACTAL GENERATORS PACK 5 DISKS £5.99
Best of fractal generators all in one pack, FractalLab, Mandelmountains, FCS, FFEX, GENESIS, Maptrix etc.

ASTRONOMY PACK 5 DISKS £5.99
Great collection, Starview, Astro 22, Gravity, Planets, Star chart, Amigazer, Luna, Moontool, Planetarium etc.

D-PAINT FONTS PACK 5 DISKS £5.99
Hundreds of new fonts in different sizes, great value.

D-PAINT 16 COLOUR FONTS 5 DISKS £5.99
Some superb fonts for D-Paint, exceptional quality.
3 packs available, each pack consists of 5 disks @ £5.99

PD UTILITIES

Another PD bargain comes your way with *HAM Lab Plus*, possibly the best PD image processor in the world, according to DJ Walker-Morgan.

HAM LAB PLUS

image processor

While *ImageFX* and *AdPro* forge ahead in the image processing game, *HAM Lab Plus* offers an alternative to anyone who doesn't want to break the bank.

You can load it in a number of ways: from the Graphics User Interface (GUI), from the Shell or from *ARexx*. All the modes have the same facilities, except for the GUI which lacks a batch directory mode, which would have helped in file handling.

HAM Lab Plus has a wide range of filters for importing images, including GIF87 and GIF89 TIFF images up to 24-bit RGB, PBM plus, Spectrum 512, IFF (1 to 8 planes, HAM, HAM-E, SHAM, Dynamic Hi-res and PCHG), TARGA, JPEG/JFIF and Windows BMP files. The image can then be exported as IFF, JPEG, or Encapsulated Postscript File. On top if that, the image can be rendered into a whole range of IFF formats.



***HAM Lab Plus* offers a reasonably-priced alternative to *ImageFX* and *AdPro*.**

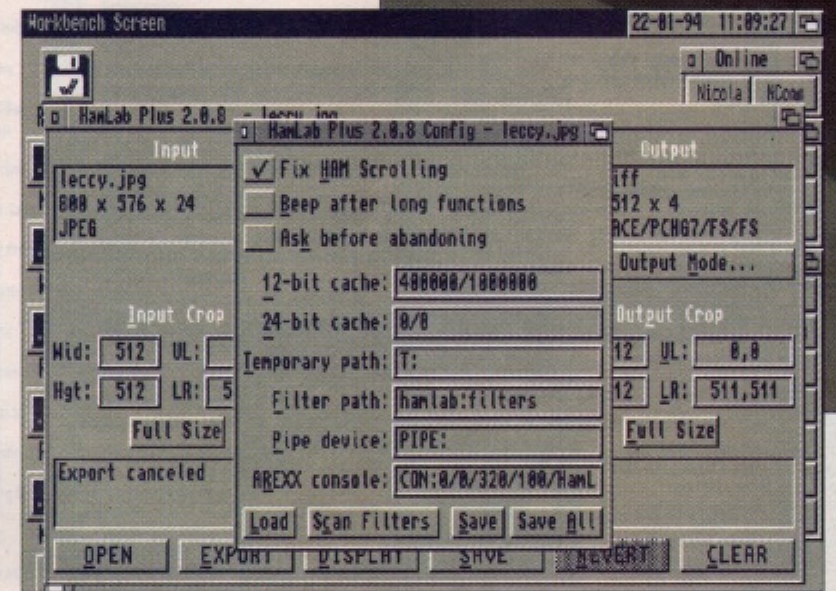
The user interface is a simple but effective design. To convert an image, just follow the buttons across the bottom of the window: Open, Display, Export or Save. To set up the rendering mode, click the Change Output Mode button and sit back, bemused at the range of options. In order to get the best possible end result, *HAM Lab Plus* gives you plenty of options for your destination image, such as screen resolution, number of colours, type of dithering and so on. For example, my favourite set-up for photographic images is 4 plane, Hi-res, Interlaced, sliced palette, PCHG save, with a double Floyd Steinberg dither (*whatever turns you on – Ed*). This gives results which are, in my opinion, the cleanest from any converter. In this area it out-performs both *AdPro* and *Image FX*, which are geared more towards 24-bit graphics that tend not to break up so much in the conversion process.

Once you have the image up on screen, you can crop it down to size. Any colour imbalances can be adjusted from here. There are no fancy effects modes beyond this – *HAM Lab Plus* is primarily a converter. For those who like to add their own converters, both for input and output, there are hooks in *HAM Lab Plus* for both. You can install them by either asking *HAM Lab Plus* to scan its filter directories, or by editing its configuration files.

Although the configuration files can be a bit daunting, it's here that you'll find the underlying flexibility of *HAM Lab Plus*. With control over everything from requester positions and contents, caching, scaling, palettes and more, you can set up the program to suit your exact requirements.

If you want to automate your image conversions, there is an *ARexx* port and console, but you only need to use this if the command line batch options aren't flexible enough for you. I've rarely needed to go near it, because the command line seems to think of pretty much everything.

I find it hard to pick holes in *HAM Lab Plus*. It has all the right bits in all the right places, is sparing with memory, reasonably quick, has never crashed on me and it gives me oodles of control over rendering process. The only thing that annoys me is when saving the configuration from the GUI; the configuration screen itself sometimes seems to pop up in the process, but this is a fairly minor niggle, and is easily fixed by editing the configuration file directly. The shareware demo version lets you use all of the facilities, the restriction being that it will automatically crop input images to 512x512.



With control over everything in *Ham Lab Plus*, from requester positions and contents, caching, scaling and more, you can set up the program to suit your exact requirements.

Since registration to lift that restriction and receive regular updates is only a measly $25, it's well worth it. If you do anything with images, *HAM Lab Plus* is a worthy addition to your armoury of utilities, even if you already have *ImageFX* or *AdPro*.

Available from: Deltrax PD, 36 Bodelwyddan Avenue, Old Colwyn, Clwyd, LL29 9NP. Disk no. GU429. Price: £2.60 including P+P.

90%

South Lincs PD

1-9 disks £1 each
10-19 disks 85p
20+ disks 80p
} add 75p for P&P per order

Large selection of Amiga PD including: Games, graphics and Animation, Utilities, Music, Demos, T-Bag, Fred Fish Disks 1-940, Assassins Games Disks 1-150 Below is a small selection of titles available

GAMES

1031	Air Warrior (Flight Sim)	1136	Colour It 1.3	1201	Top of The League
1059	Tile Trial	1151	Othello & Card Sharp	1209	18th Hole* (2D)
1066	Kingdom At War	1157	Total War (Risk) (W/B)	1215	Grand Prix Manager (1993))
1067	Intact (Shoot em 'up)	1163	Battle Cars 2*	1216	Skidmarks (Playable Demo)
1079	Dynamite Dick	1167	Amos Cricket	1217	Serious Backgammon Demo
1082	Quick & Silva Platform (Superb)	1170	SaveThe Trees	1219	Cheat List V203
1106	Pete's Quest (Platform)	1183	Dungeons of Nadroj	1220	The Mental Image Collection
1111	Pom Pom Gunner	1193	Intrepid	1222	Slam Ball
1119	Startrek (T Richter) (2D)	1197	Moria V5.4 (Roleplay)	1223	Klondyke Deluxe (AGA) (3D)
1126	Survivor V2	1200	Tetren (tetris game)	1224	Excellent Card Demo

UTILITIES

4087	CManual V2.0(4D)	4173	Kick 1.3 (A500 Emulator)	4191	Super Viewer V2.4
4100	Text Plus 3	4177	Ming Shu Chinese Astrology	4192	Animals A-G Clipart
4108	NorthC V1.3 (2D)(W/B)	4179	NComm V3.0	4193	Animals H-Z Clipart
4119	MED V3.21 (Music Editor)	4180	BootX V5.23 (Not 1.3)	4194	Aircraft Clipart
4136	Sound Tracker 2.6	4181	World War II Hyperbook	4196	Weapons Clipart
4161	Epoch V (1200 year calender)	4182	Crossword Creator V1.0	4198	Religion Clipart
4163	Learn & Play Plus	4185	LSD 120 (PC Task V2.03)	4201	Plants & Flowers Clipart
4166	A-Geme V4/18	4186	Copiers Unlimited (DCopyV3.1)	4204	Numpad V37.3n (For A600)
4167	BBase II V5.5	4187	Kickstart 2.0 (A600 Emulator)	4205	Little Office
4170	IQ Challenge (W/B)	4188	Assassins A1200 Fix Disk	4206	Forms Really Unlimited

DEMOS

6075	Odyssey (5D) (p) (Not A1200)	6101	TimeZone (2D)(TRSI)	6107	Desert Dream (Kefrens) (2D)
6095	Jesus on E's (2D) (2 Drives)	6102	Wicked Sensation (2D)	6108	Misery (TRSI)
6096	State of The Art	6103	Alpha & Omega II (3D)	6109	Alchemy (Rage) (2D)
6098	Sanity World of Commodore	6105	Illusion (Fairlight))		
6100	XPose (2D)	6106	Boundless Void (Nemol)		

MUSIC AND SOUND

5045	Iron Maiden	5096	Ultimate Dance	5116	The Trip (Rave/Dance)
5050	Guns & Roses*(Your Crazy)	5110	Dance Trance	5117	Led Zeppelin Guitar Solo's
5072	Van Halen (Eruption)	5113	Took My Love* (Not 1.3)	5118	Utah Saints &SL2
5075	Bad Boyz* (Rave)	5114	1993 Dance Vol1* (Not 1.3)	5119	Fantasy To Reality

AMIGA DESKTOP DYNAMITE £330,QUICKSHOT 11 TURBO JOYSTICK ONLY £9-50,LOGIC 3 MOUSE (300 DPI) ONLY £14.95
, DELIVERY / P&P INCLUDED

UNBRANDED 3.5" BLANK DISKS DS/DD

10- £5.00 50 - £22.00 100 - £41.00 200 - £76.00 500 - £175.00

GRAPHICS AND ANIMATION

2164	Girls Of Sport Slideshow	2303	Lemmin's Revenge (2mb) (2D)	2322	Sky Jets (Anim & Pictures)
2198	Sweet Revenge(1.5mb)	2306	At The Flix (2.5mb) (2D)	2323	Sun Jets (Anim & Pictures)
2230	Unpleasant Way To Die	2307	The Journey* (2D)	2325	3 Ways To Stop Smoking (1.5mb)
2279	Saving Cert Advert(Anim)	2308	Revenge of The Blob (3mb)(2D)	2326	Dinosaurs Slideshow
2281	Speed Limit (1.5mb) (3D)	2309	Japanime (Manga)	2327	Sam Fox & Vanna White
2283	Two Stroke Engine Animation	2310	Gladiators (Slideshow)(2D)z	2328	Fantasy Pics
2284	Steam Engine Anim V2	2314	Gore Slideshow	2329	Born To Be Free(Wildlife Pics)
2286	Fantavision Anims (Dinosaurs)	2315	In Sickness & In Health (3mb) (3D)	2331	Cindy Crawford Slideshow 2
2290	Snow Joke (2mb) (2D)	2316	Bonds Last Stand	2330	Cindy Crawford Slideshow 1
2292	The Cat Slideshow	2317	Akira Picture Disk 2	2332	Claudia Schiffer
2295	Alcatraz Museum	2320	StarTrek Motiom Pic (1.5mb) (6D)	2334	Cyber Comic Art 2
2302	Quality Time (5mb) (4D)	2321	The Aphrodisiac Route (3mb) (3D)	2333	Elegance (Sam Fox)

CENTRAL LICENCEWARE

EDUCATIONAL TITLES			
CLE05	ACHORD Guitar tutor (tuning, chords etc)	1 Disk	£3.50
CLE08	NIGHT SKY Sun, Moon, Planets & 1500 Stars	1 Disk	£3.50
CLE10	BASICALLY AMIGA A complete Amiga DOS reference book	3 Disks	£5.50
CLE15	FAST FRET Set of guitar exercises	1 Disk	£3.50
CLE28	FUN WITH CUBBY 8 Educational Games	1Disk	£3.50
CLE45	FUN WITH CUBBY 2 7 More games for young children.	1Disk	£3.50
CLE46	BASIC HUMAN ANATOMY Text & Diagrams	1 Disk	£3.50
CLE49	DINOSAURS 3 Lot Of Dinosaur Info With Pictures etc.	3 Disks	£5.50
CLE 51	PAINT & PASTE& DRAW Superb Kids Colouring Program	1 Disk	£3.50
CLE54	TITANIC Interactive Encyclopedia About The Ship	2 Disk	£4.50
UTILITY TITLES			
CLU01	VIDEO TITLER For creating smooth scrolling video titles	1 Disk	£3.50
CLU03	TYPING TUTOR Learn to touch type properly	1 Disk	£3.50
CLU10	POWER ACCOUNTS Keep track of your bank account	1 Disk	£3.50
CLU21	INVOICE MASTER Allows you to print out invoices	1 Disk	£3.50
CLE36	ILINOIS PRO V3 Excellent lable printing package	2 Disks	£4.50
CLE32	POWER TEXT 2 Excellent Word Processor with spell check	1 Disk	£3.50
GAMES TITLES			
CLG08	DRAGON TILES Classic Puzzle game	1 Disk	£3.50
CLG35	OG! Excellent Platform Game	1Disk	£3.50
CLG41	F1 RACER Excellent3D Racing Game	1 Disk	£3.50
CLG43	PIC-IT Very good Trivia Quiz Game	2 Disks	£4.50
CLG44	VIKING SAGA Strategy War Game	1 Disk	£3.50
CLG46	ARCHIOELAGOS CAMPAIGN Superb Rick Type Strategy Game	1 Disk	£3.50
CLG48	THE LOST PRINCE Monkey Island TType Roll Play Adventure	1 Disk	£3.50
CLG51	TEN PIN BOWLING Excellent 10 Pin Bowling Game	1 Disk	£3.50

We supply the full range of CLR software above are just afew of the titles availabl,full details are on our catalogue disk.. Postage & Packaging only 50p when order contains CLR software.

TOWER SOFTWARE GAMES

SERIOUS SOLITAIRE	£10	15 Excellent Card Games
SERIOUS SOLITAIRE II	£10	15 More Excellent Card Games
SERIOUS BACKGAMMON	£20	The Best Backgammon game you can get on the Amiga comes complete with manua
MANCALA	£10	African board game, reputedly the worlds oldest game
EXCELLENT CARD GAMES 1	£10	Yokon,, Black Maria, Frustration, Stonewall, Baroness,
EXCELLENT CARD GAMES 2	£10	Cribbage, Sir Tommy, Quads, Rapide, Betrothal

TOWER SOFTWARE PRICES INCLUDE P&P''

AGA A1200/400-ONLY (2D)=2 DISKS 3D) = 3 DISKS ETC... W/B)= WORKBENCH NEEDED TO RUN

All blank disks are 100% certified & guaranteed, prices include label, postage/delivery and VAT. Catalogue disk only 75p or send 3x24p stamps, Add 50p for outside UK. All orders of PD sent same day by first class post. Postage & packaging add 75p UK, £2.50 europe (inc. Eire). £4.00 Rest of The World, Payment in Sterling please. Cheques/postal orders made payable to South Lincs PD.

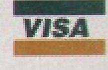
SOUTH LINCS PD,(CU), 10 LINDEN RISE, BOURNE, LINCS PE10 9TD. TEL: 0778 393470 .



BUTTERSOFT

(Dept. Shopper)
40 COLLEY HILL,
BRADWELL,
MILTON KEYNES,
BUCKS MK13 9DB

TRADE ENQUIRIES WELCOME





CREDIT CARD ORDERS ATTRACT A 2.5% CHARGE . GOODS NOT SENT ON A TRIAL BASIS. E & OE. ALL PRICES INCLUDE VAT. STANDARD COURIER £3.00 /NEXT DAY £8.00

TO ORDER CALL OR FAX (0908) 220196

UK BBS (0908) 310208

UPPER DISK TOOLS!

Upper Disk Tools offers a new concept in the recovery of deleted or corrupt files. It recovers these files via a Virtual device, REC:, and creates a directory for each Scanned device. These can be floppy or hard drives. All files can be retrieved by CLI, Workbench or your favourite directory utility! Totally transparent and user friendly **ONLY £19.95!**

PICASSO II

Retargetable Graphics (RTG) is the future of Amiga graphics display technology. True RTG means that a graphics device will not be restricted by the memory limitations of the host system's Chip memory, or by the speed of the custom chips.



The Picasso II RTG Emulator integrates seamlessly into the Amiga operating system to give the most reliable emulation available. The new resolutions provided by the Picasso II appear in all your applications as new screen modes selectable from the standard ScreenMode requester. For any program that allows you to choose a new screen mode, you would simply choose a Picasso II screen mode as an alternative, (such as Picasso:1280 x 1024).

The Picasso II is designed to take full advantage of the host computer system. The built in Blitter and high speed memory subsystem mean that you will have super fast screen updates. Switching between Picasso II mode screens is very fast and switching between Picasso II mode screens and native Amiga screens is nearly instantaneous (as fast as your monitor can re-sync). Because the Picasso II RTG board does not use Chip RAM, your Amiga will be less likely to suffer from bus contention problems normally associated with running high resolution screens and heavy DMA activity.

The Picasso II RTG emulator has been designed so that it uses no Chip RAM. All available screen modes on the Picasso II use only Fast RAM. This sophisticated design means that even a 1Mb Picasso II board can support as many high resolution 256 colour screens as will fit in the Fast RAM of your system.

The Picasso II comes with several screen modes and resolutions that are industry standard and for which all monitors are designed. These modes operate at the proper scan rates and frequencies in order to take advantage of the most popular monitors available. In some instances, where those modes may not be sufficient, there is a program that will allow you to create your own custom screen modes. You will be able to create screen modes that exactly match your monitors frequencies and resolution capabilities. Picasso II comes with Personal Paint Lite, MainActor (animation program), IFF, GIF, JPEG and MPEG Viewers and drivers for ADPro, Image FX, Imagemaster and Real3D. Other bundles are available too.

PICASSO II 1MB + TV PAINT Jnr. ✻ FREE TVPaint Jnr ✻	**£349.95**
PICASSO II 2MB + TV PAINT Jnr. ✻ FREE TVPaint Jnr ✻	**£379.95**
PICASSO II 1MB + TV PAINT 2.0	**£469.95**
PICASSO II 2MB + TV PAINT 2.0	**£499.95**

EMPLANT

EMPLANT will revolutionise the way you use your Amiga! Imagine one card offering multiple emulations that ALL multi-task (after all, isn't that the way the Amiga was meant to work!)

The supplied Mac emulation boasts full colour (16 ECS, 256 AGA, 16.7 Million with supported graphics cards) and superb Stereo Sound.

EMPLANT supports Hard Drives, (via on-board SCSI or AmigaDOS partitions), Hard Files, MAC 8ooK (via Mac drive adaptor), MAC/IBM 1.44Mb, IBM 720K, EMPLANT and AMAX formats. The SCSI interface supports both Amiga peripherals and the peripherals of the emulated system at transfer rates of over 1Mb/Sec.



EMPLANT supports AppleTalk, Serial ports, Printers,, Modems, Midi etc. You may use SYQuest, any AmigaDOS device (DH:, RAD:, VDO:, etc), Scanners, Graphics Tablets, CD ROM with the emulation.

Emulation speed is exceptional and compatibility is excellent. All known software runs!

The IBM 386/486 emulation is to be released in the new year, with Atari ST/Falcon, C64/128, SNES/SEGA, Apple II (among others) all planned in the future. These will be available as low cost upgrade modules.

EMPLANT currently supports any Zorro equipped Amiga with the A1200 PCMCIA version out soon. The Mac emulation alone requires 68020/30/40 with 4Mb RAM minimum and also 256K Mac II/x/cx/SE30 ROMs.

EMPLANT can be expanded to provide 2Mb of battery-backed static RAM and has an audio digitiser built in! Other add-ons are planned. Also incorporated is a File Transfer system between Amiga/Mac/PC

EMPLANT Basic	**£299.95**
EMPLANT Option A (Apple Talk/Serial)	**£349.95**
EMPLANT Option B (Int/Ext SCSI Interface)	**£349.95**
EMPLANT Deluxe (Option A+B)	**£399.95**

NO MMU REQUIRED!
IBM PC UPDATE & A1200 VERSION IS IMMINENT!

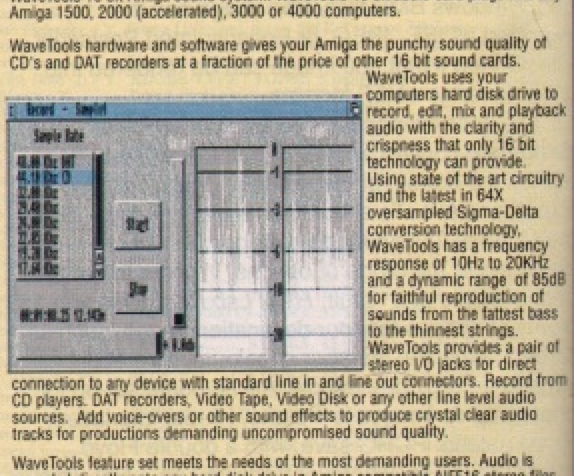
WAVETOOLS

STUDIO QUALITY SOUND, PROFESSIONAL LEVEL FEATURES!

Tired of that old 8-bit sound coming out of your Amiga?

Now you can really make some waves with the awesome sound of the all new WaveTools 16 bit Amiga sound system. WaveTools 16 bit audio card plugs into any Amiga 1500, 2000 (accelerated), 3000 or 4000 computers.

WaveTools hardware and software gives your Amiga the punchy sound quality of CD's and DAT recorders at a fraction of the price of other 16 bit sound cards.



WaveTools uses your computers hard disk drive to record, edit, mix and playback audio with the clarity and crispness that only 16 bit technology can provide. Using state of the art circuitry and the latest in 64X oversampled Sigma-Delta conversion technology, WaveTools has a frequency response of 10Hz to 20KHz and a dynamic range of 85dB for faithful reproduction of sounds from the fattest bass to the thinnest strings. WaveTools provides a pair of stereo I/O jacks for direct connection to any device with standard line in and line out connectors. Record from CD players. DAT recorders, Video Tape, Video Disk or any other line level audio sources. Add voice-overs or other sound effects to produce crystal clear audio tracks for productions demanding uncompromised sound quality.

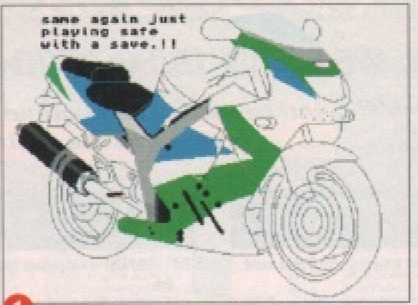
WaveTools feature set meets the needs of the most demanding users. Audio is recorded directly onto any hard disk drive in Amiga compatible AIFF16 stereo files. Multiple waveform windows may be opened simultaneously and audio can be cut and pasted between open files to facilitate building complex audio tracks. In addition to cut and paste WaveTools supports digital mixing of unlimited numbers of tracks. Using WaveTool Mixer, you can layer sound upon sound to produce rich, full audio tracks that have the quality of studio made multitrack recordings. Using WaveTools extensive editing and mixing functions you can sweeten your basic tracks with overdubs, perform ADR, and place sound effects at specified points in the soundtrack. Best of all, since WaveTools is processing audio in the digital domain, there is no generational loss or noise increase normally associated with outdated analogue mixers and recorders. WaveTools is able to sample data at a variety of sampling rates as low as 19KHz as well as the standard rates of 44.1KHz and 48KHz for CD and DAT compatability. WaveTools includes a waveform editor for cut, copy, paste and mix operations on selected portions of audio waveforms. Edits can be tagged as destructive or non-destructive. WaveTools also maintains an internal time code in the format of SMPTE 24, 8 and 30 frames per second to ensure perfect synchronisation of your audio files with video and animation, if required.

WAVETOOLS RTX (Real Time Effect - DSP Real time echo, flange, filters etc, Real Time 8-track mixing to stereo, Real Time SMPTE PALINTSC coding) Out January - £299.95

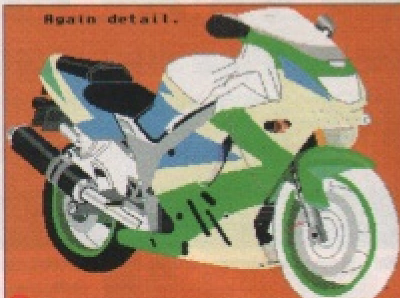
WAVETOOLS	**£349.95**



Gallery, gallery, send us your insanity. Salary, salary, I'm paid to view your artistry. Keep 'em coming, people.



1 The outline was sketched from a photo in *Bike* magazine.



2 The first blocks of colour are added to the image.



3 And here it is, in all it's glory!

ZX-9R KAWASAKI

Bike fans beware, as Mike Whiteman of Aylesbury steps in with his doodles of one of his favourite speed machines.



LION-O

The lord of the *Thundercats*, Lion-O, is one of the more imposing moggies I've ever come across. Here he is in AGA mode, courtesy of Stephen Clarke from Thornton Heath.



RACHAEL

Blade Runner fans will recognise this one straight away. The lovely Rachael was drawn by T.E. Boyce of Peckam.

BATMAN & VICKI VALE

T.E. Boyce of Peckham, again, is the person responsible for this superb digital rendering of the caped crusader.



1 All the major features of the image were sketched in free-hand using a light grey brush.



2 Vicki Vale's face was drawn on a separate screen and then pasted onto the main image.



3 The main colours are blocked out, and then the detail is added slowly but surely.

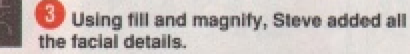
CHER

If she could turn back time, would she want to look like this? This is the question posed by Stephen Clarke of Thornton Heath, Surrey.



1 The first step, as always, is to come out with an outline. This was traced onto clear film and laid over the screen. Then Steve drew underneath it.

2 The palette was set, and colours were blocked out.



3 Using fill and magnify, Steve added all the facial details.



4 A quick change to the screen resolution, a bit of touching up on the wonky eye from the earlier versions and the picture is complete.



4 Finally, the Smoothing function is brought in to clear the whole thing up.

CU AMIGA SPECIAL

Welcome to our new look readers' offers. This month sees the launch of our new upgrades for the Amiga A1200.

Unlike some A1200 upgrades, ours are fully PCMCIA compatible. Designed and built in the UK exclusively for CU Amiga - never has it been so affordable to upgrade an A1200 with more memory on a board also capable of adding a 68882 floating point maths co-processor at speeds of up to 50MHz.

How can we be so cheap? Well, thanks to the huge success of our campaign to upgrade all Amigas to a minimum of 1Mb, we have exceptional buying power. Also, because so many of our readers buy upgrades we can use the very latest manufacturing technology to produce our upgrades - and hence give you exceptional value.

So why upgrade your memory? Probably because a memory upgrade is the most versatile enhancement you can make to your Amiga. Apart from the fact that you need it to run the more powerful Amiga software there are many extra benefits too. You can use some of it as a RAM disk, just like a super-fast extra floppy drive. This means you can avoid the cost of a second floppy drive or hard disk. Some software that claims to need a hard disk will run on your Amiga from a RAM disk. A print spooler can save you time waiting for your printer to finish printing before you get on with your work, use your new RAM instead of upgrading your printer or buying an expensive buffer.

For reasons best known to themselves, Commodore 'forgot' a realtime clock for the A1200. Well, we've put it back with our new UK made A1200 clock for just £12.99.

Getting more from your Amiga means at least 1Mb, getting the best means adding as much RAM as you can is the essential Amiga upgrade!

MEMORY

AMIGA A500

UPGRADE TO 1MB — WITHOUT CLOCK **£14.50**

UPGRADE WITH CLOCK — WITH CLOCK **£17.99**

AMIGA A500+

UPGRADE TO 1.5 MB — WITHOUT CLOCK **£15.99**

UPGRADE TO 2 MB — WITHOUT CLOCK **£22.99**

SCANNER TRAY



Our brand new Scanner Tray will improve your results no end.

Simply place over the image and clip the scanner into it and it will act as a guide eliminating tricky hand wobbling. This amazing invention is not available anywhere else. Plus, it will help eradicate all that wasted time correcting mistakes in scanned text with our **OCR software**. It's a pain scanning pages of text only to find that they're littered with spelling mistakes. This software package will cut down on those errors before this even happens.

MOUSE



A superb replacement Amiga mouse.

The CU Amiga mouse is a major enhancement because it uses micro switches for the buttons. Our mouse also has a much higher resolution - 280 dots per inch which means you need much less desk space and you get a much finer control.

12 GOOD REASONS TO BUY FROM CU AMIGA

All the products offered by CU AMIGA have been carefully selected as being the best in their class. But top quality does not mean top price. Thanks to our huge buying power, we can deliver to our readers the best products at the best prices.

- All memory boards are populated with memory.
- All memory boards are individually tested.
- Support from a top engineer is just a phone call away.
- Prices include VAT, Postage and Packing, the price you see is the price you pay.
- No minimum order and no credit card surcharges.
- Memory upgrades carry an exceptional five-year warranty.
- 28 day no-quibble money back guarantee.
- We are here until 8pm every day during the week.
- 24 hour order hotline.
- Because we only sell a few items, your order will normally be supplied straight from our large stocks.
- Your credit or debit card will not be processed if the item you order is not in stock.
- Experienced sales staff are on hand for when you order or if you need advice before placing an order.

OFFERS



FREE! 68882 MATH CO-PROCESSOR WITH A1200 UPGRADE TO FIRST 25 TELEPHONE ORDERS ONLY

U P G R A D E S

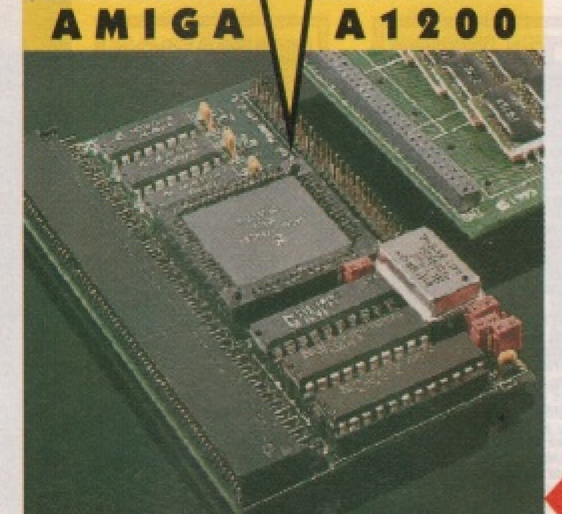
AMIGA A600



UPGRADE TO 2 MB — WITHOUT CLOCK **£24.99**

UPGRADE TO 2 MB — WITH CLOCK **£39.99**

AMIGA A1200



UPGRADE TO 4 MB PLUS FREE MATH CO-PROCESSOR — ONLY **£149.00**

A1200 CLOCK



CLOCK MODULE — ONLY **£12.99**



FREE DISK

Each Memory upgrade comes with a FREE DISK including **Memory Test Software,** making sure that you make the very best of your new Amiga memory upgrade.

NO PRICE CHANGES DUE TO CURRENT MEMORY SHORTAGE. THESE ARE TODAY'S PRICES ~ WHAT YOU SEE IS WHAT YOU PAY!

Thanks to the massive buying power of **CU AMIGA** we can offer our readers the cheapest high quality Amiga memory upgrades and other essential add-ons for your Amiga!

ORDER HOTLINE

0480 891171



Lines are manned from **Monday to Friday 10am to 8pm** and on **Saturday 10am to 4pm.** If you call outside these hours you can place an order by answer phone - just give the information on the order form in the order it appears. You might find it easier to complete the order form before calling so that you can read directly from it.

Please allow 28 days for delivery from when we receive your order. For non receipt of goods phone 0480 891171 Monday to Friday between 10am and 6pm.

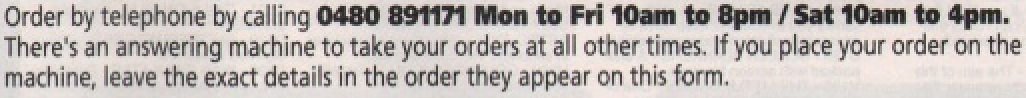
DON'T FORGET...
FREE DELIVERY!



GoDirect

CU AMIGA - GO DIRECT
7 VINEGAR HILL, ALCONBURY WESTON, HUNTINGDON, CAMBS PE17 5JA

CU AMIGA – THE SAFER WAY TO BUY FOR YOUR AMIGA! Offer administered solely through GO DIRECT. Enquiries should be directed to the above address, tel: 0490 891 171, not CU AMIGA's office.



PRIORITY ORDER FORM

Order by telephone by calling **0480 891171 Mon to Fri 10am to 8pm / Sat 10am to 4pm.** There's an answering machine to take your orders at all other times. If you place your order on the machine, leave the exact details in the order they appear on this form.

1. ORDER ITEMS (✓)

- ❑ A500 upgrade to 1Mb £14.50
- ❑ A500 upgrade to 1Mb including clock £17.99
- ❑ A500+ upgrade to 1.5Mb £15.99
- ❑ A500+ upgrade to 2Mb £22.99
- ❑ A600 upgrade to 2Mb £24.99
- ❑ A600 upgrade to 2Mb including clock £34.99
- ❑ A1200 upgrade to 4Mb £149.00
- ❑ A1200 upgrade to 4Mb with 25 MHz 68882 .... £179.00
- ❑ Clock Module £12.99
- ❑ Scanner Tray £54.99
- ❑ OCR Software £99.00

2. CUSTOMER DETAILS

Name ____________________
(This should be the name written on the Cheque or Credit Card if payment by this method).

Telephone No: (______) ____________

3. PAYMENT DETAILS (✓)

Credit Card

VISA (✓)❑ | Access ❑ | SWITCH ❑ | DELTA ❑ | Connect ❑

Card Number

Switch Issue No ________

To expiry ____/____/____

Cheque (✓)❑ Postal Order (✓)❑

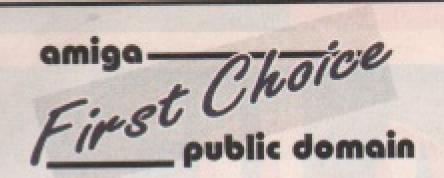
Note: Cheques payable to **GO DIRECT LTD.**

Signature ____________________

4. DELIVERY DETAILS

Delivery Address ____________________________

____________________ Postcode ____________



THE ORCHARD, 139 HIGHRIDGE GREEN,
BISHOPSWORTH, BRISTOL BS13 8AB

PLEASE MAKE ALL CHEQUES AND POSTAL ORDERS PAYABLE TO:-
FIRST CHOICE P.D.

ALL ORDERS DESPATCHED FIRST CLASS. PLEASE REMEMBER TO ADD P&P CHARGES.
PLEASE STATE MACHINE WHEN ORDERING.
PD PRICES ARE PER DISK - NOT PER TITLE.
NUMBER OF DISKS (IF MORE THAN ONE) IS SHOWN IN BRACKETS.

FOR ALL ENQUIRES - MOBILE FROM 11AM TO 8PM

TEL: (0374) 446776

IF PHONE DOES NOT RESPOND DUE TO POOR COVERAGE - PLEASE TRY AGAIN LATER

ALL DISKS COMPATIBLE WITH ALL AMIGA`S

WHEN DISK K001 - DISKSTART V1.3 IS USED ON A500+/A600/A1200/A4000

GAMES

G010 - POM POM GUNNER - Great graphics in this operation wolf style shoot em up.
G011 - AIR ACE 2 - A great World War 2 shoot em up.
G013 - THE REVENGE - Play ED-209 from Robocop in this violent shoot em up.
G015 - MEGABALL - A game that has received excellent reviews.
G016 - SIMPSONS - Televisions wacky family brought to life in this shoot em up construction kit game.
G020 - LAME ST-PORTS - A space invaders type game, the object being to defeat Atari.
G021 - MASTER OF THE TOWN - The aim of this game is to cause as much damage as possible.
G025 - DRAGONS CAVE - A dungeon master style puzzle game.
G026 - DOWN HILL CHALLENGE - Good ski simulater.
G028 - PIPELINE - Classic game but too fast on A1200/A4000 due to superior processor.
G039 - SMURFHUNT - Plenty of gun power in this shoot em up.
G040 - PARADOX - Funky puzzle game.
G043 - WIBBLE WORLD GIDDY - A superb platform game. This is one of the best public domain games ever.
G047 - SUPER PAKMAN - If you like Pak games, then get this!!! The best version to date.
G048 - NEIGHBOURS - (2 disks) An excellent graphic adventure, probably the best ever in PD.
G049 - FIGHTING WARRIORS - Budget version of Streetfighter 2 with good graphics.
G050 - BOMB JACKY - The spectrum classic with vastly improved graphics and sound.
G055 - TEXAS CHAINSAW MASSACRE - Inspired by a true story.
G056 - 18 HOLE GOLF - The first ever public domain golf game. Great fun. (2 disks)
G057 - SPACE INVADERS 2 - A revised version of the classic game.
G059 - AMOS CRICKET - A good cricket simulater written in Amos.
G060 - TRON 2 - If you liked the original, then you can't miss this update. Faster and improved presentation.
G061 - ESCAPE - The aim of this excellent game is to run over tiles pushing specific ones down to open gates which allow you to reach the exit. Do it within a time limit to progress.
G062 - DR. MARIO - Similar to a NES game of similar name but better graphics.
G063 - ASSAULT - This average game involves you shooting all the characters that pop up in the windows.
G064 - DEATH BINGERS IN SPACE - A Xenon style shoot em up.
G065 - ZOMBIE APOCALYPSE - Good fun with lots of blood and guts.
G066 - STARIANS - Bizarre platform game.
G067 - SUPER SKODA CHALLENGE - A good game for up to four players with track editor etc.
G068 - PREMIER PICKS - Very unique football management game, very well presented.
G069 - BILLY BURGLAR - Dodge lights to escape from prison.
G070 - AMIGABOY - The n game Tetris is widely regarded at its best on the Gameboy. It has now been perfectly converted, with exact visual representation.
G071 - ACT OF WAR - A game of similar style to risk.
G072 - ADAMS FAMILY QUIZ - How much do you know?
G073 - PARACHUTE JOUST - Guide the skydiver to the ground.
G074 - CARD SHARP - Various card games.
G075 - JEWL - A brilliant game.
G076 - TOP SECRET - Sorry, can't tell you!!!
G077 - JELLY QUEST - This game by David McGuire was described by Amiga Power quote "It's a superior brand of PD puzzle game, and its looks can only be described as - dead lush!" It went on to receive a 4 out of 5 star rating.
G078 - VENUS INVADERS - Excellent new version of space invaders.
G079 - THE RIGHT WAY - A great lemmings clone.
G080 - SUPER PRIX - A birds-eye-view racing game.
G081 - PATIENCE - The best public domain version of this card game.

UTILITIES

U001 - THE ULTIMATE BACKUP DISK - All the very best public domain copiers including DCopy, Tetracopy and XCopy.
U013 - BUSINESS CARD MAKER - A utility that can give professional results for use with any printer.
U021 - SYSTEM X - A telephone directory on disk. It even dials the number!!!
U136 - 600 BUSINESS LETTERS - Over 600 letters of basic format ready for quick and simple modification in any word processor.
U139 - PRINTER DRIVERS DISK - An excellent selection of drivers to get your printer working perfectly.
U140 - LABEL MAKER - Excellent utility allowing you to make your own disk labels. We have added several fonts to give you more design options.
U153 - MULTIPLAYER - Can play virtually any type of music module.
U167 - WINDOWBENCH - A replacement for Workbench V1.3 in the style of Microsoft Windows.
U168 - GAME TAMER V2.2 - Loads of cheats (over 250) for use in many top games.
U176 - UNDERSTANDING AMOS - A very useful learning aid.
U178 - AGRAPH - Create all kinds of pie charts, bar charts and line graphs.
U179 - CLI TUTOR - Loads of hints and tips.
U180 - DISK OPTIMISER - Speeds up loading by up to 15 times.
U181 - FORMS UNLIMITED - Create your own invoices and other forms with this neat utility.
U183 - MAGNUM - Create your own disk based magazine.
U184 - EDWORD - Excellent text editor.
U185 - POOLS PREDICTION - If you need more help (or money) try this disk.
U186 - VMORPH V2.0 - Excellent utility that allows you to create morph/warp animation. Requires 1MB.
U187 - THE MENU DISK - If you are interested in creating your own compilations etc. then get this disk. Its perfect for added presentation.
U188 - CLUB LEAGUE - A utility that allows you to edit and keep track of your teams division and league status.
U189 - SCREEN BLANKERS - A disk packed with screen blankers.
U190 - THE LITTLE OFFICE - One of the best small business programs available at the moment. Very popular.
U191 - VOICE CLI V5.5 - This utility allows you to control CLI with speech.
U192 - ACCOUNT MASTER - Written in Amos this is a very popular business utility of excellent quality.
U193 - SOFTWARE LISTER - This program is designed to keep track of your software collection.
U194 - DISKPRINT V3.5 - An integrated database and disk label printing utility.
U195 - RACE V1.6 - A disk that will work out the chance of a horse winning a race.
U196 - DRAW MAP V4.1 - There are two versions, this is the 1MB version. It allows you to create 2D and 3D maps. Quote U296 for 2MB version, which comes on 2 disks.
U197 - FOOTBALL LEAGUE EDITOR V1.1 - As soon as the results come in, you can monitor your teams latest position.
U198 - GOLF SCORES V1.8 - It can record the results of every round you play, store them and give an overall electronic score.
U199 - ANTI FLICKER - An aid to stop the flicker in Hi-Res mode during some programs operations.
U200 - AMICASH BANKIN - If you have a small business, this program is the best of its nature and highly recommended.
U201 - PUNT PROGRAM - Another prediction aid for the horses.
U202 - MONEY MANAGEMENT - Home accounts package capable of handling up to 12 different accounts.
U203 - EASY CALC V1.0 - This spreadsheet is designed to be both very user friendly and fast. It has an excellent built in help system.
U204 - KEYBOARD TRAINER V1.1 - Best public domain typing tutor available at present.
U205 - M-CAD - Computer aided design program.
U206 - NO ERRORS - Hides the hard errors on disks making all your corrupt disks usable once again.
U208 - 203 UTILITIES - The most utilities ever available on a single disk.

UTILITIES

U209 - UNDELETE - This utility allows you to get back stuff that was accidently deleted from disk.
U210 - JOYSTICK TESTER - A brilliant joystick testing program.
U211 - RED SECTOR DEMO MAKER - A 2 meg version of the most popular utility ever!!! Create stunning demos/megademos/intros. The special thing is that it has been modified to work with the A500+ and even better the A1200. (2 drives rec. A1200)
U212 - AIBB V5 - A good diagnostic program.
U213 - SYS INFO V3.11 - A disk that will let you know the technical status of your machine.
U214 - ENGINEERS KIT - A diagnostic disk, specially suited for engineers etc.
U215 - DISK REPAIRERS - Will allow you to try and make all your unusable disks work again.
U216 - AMIGA DIAGNOSTICS - Solve thousands of amiga problems with this diagnostics disk.
U217 - LAST WILL AND TESTAMENT - Write your own will.
U218 - MUSIC BASE UTILITY - Store your record/video collection.
U219 - ERROR INFO - Gives you a list of all amiga error codes and their meanings.
U220 - PC TASK V2.02 - IBM PC emulater it allows you to run the majority of PC software with no additional hardware. Now supports VGA, EGA, CGA and MDA. (DV)
U222 - REPAIR-IT 3 - Contains a selection of disk and hard drive repairing utilities. Excellent for saving that vital file.
U224 - SPECTRUM EMULATER - This is the best and latest version of the most popular emulater for the amiga. There are 68020/030 versions for new AGA amigas.(2 disks)
U225 - STOCK ANALYST - This is a technical analysis and securities tracking program which calculates when to buy and sell shares.
U226 - ASTRONOMY V2.0 - A menu driven astronomy program that calculates information about the Sun, Moon and planets. Help disk.
U227 - MING SHU CHINESE ASTROLOGY - Will create horoscopes in seconds. The complete aid.
U228 - COLOURED ICONS - Transfer your disks into colourful, well presented works of art with this database.
U229 - KIDS PAINT - An art package simplified for the younger amiga owners.
U230 - STAR VIEW - This program is designed to show graphically the positions of the stars and planets from any part of the earth.
U231 - AQUARIUM - Turns your screen into an eye catching fish tank.
U232 - OCTAMED V2 - Latest version of the famous music package.
U233 - NUMPAD FOR A600 - A program that makes the A600 think its got a numeric keypad.
U234 - ADDRESS PRINT V3.1 - Very useful if you make regular postal correspondence.
U235 - IFF BOOT - Displays a picture whilst your hard disk boots up.
U237 - PAY ADVICE ANALYSER - A very useful program for keeping track of pay, tax and national insurance.
U238 - CANNON PRINT STUDIO - Got a Cannon printer? This disk is essential for brilliant results.
U239 - FANCY PRINTING DISK - Contains Banner, Graph Paper V1.2 and Disk Print V3.5
U240 - BBASEIII - An easy to use versatile, yet fully featured database. Greatly enhanced successor to bBaseII.
U241 - ADM V1.01 - Flexable address database with loads of great features.
U242 - LITTLE TRAVELLER V1.1 - This utility shows a world map and allows you to select any country for travel information. It then zooms in giving a close-up map with more information.
U243 - BANNER MAKER - Create spectacular printed banners.
U265 - PROTECTION - Keep unwanted users from playing with your amiga.
U266 - PARBENCH - Link up two Amiga's and communicate with each other.
U283 - TEXTENGINE V4.1 - Sent direct from author Nicholas Harvey, this excellent program has all known bugs fixed. Has 36,000 word spell checker.

EDUCATION

E001 - TOTAL CONCEPTS DINOSAURS - A book on disk appropriate for sensational Jurassic Park movie. Get it!!!
E002 - SCIENCE - Excellent learning aid to the difficult subject. (4 disks)
E003 - FRACTIONS AND SILHOUETTES - Good maths utility.
E004 - WORLD WAR 2 - Good history aid.
E006 - WORLD GEOGRAPHY - Very useful utility.
E007 - KIDS DISK 1 - Excellent reading utility.
E008 - LEARN AND PLAY 1 - For younger amiga users, very popular.
E009 - LEARN AND PLAY 2 - See above, usually ordered as a 2 disk set.
E010 - GCSE MATHS - Good, written by a teacher of the subject.
E011 - LANGUAGE TUTOR - French, Spanish, German and Italian.
E012 - AMIGAWORLD - This piece of educational software contains details on every country.

DEMOS

D004 - ARSEWIPE - Hilarious toilet role commercial.
D007 - FILLET THE FISH - Cartoon animation.
D019 - SIMPSONS SLIDESHOW - Pictures of televisions wacky family.
D023 - PUGGS IN SPACE - Another cartoon animation from the same person who brought you Fillet the Fish.
D025 - SAM FOX - Slideshow.
D035 - RUDE NOISES - Hilarious samples.
D036 - FAST CARS - Pictures of the worlds most exotic cars.
D074 - MADONNA LIKE A VIRGIN - Music put to naked slideshow of Madonna
D091 - SAFE SEX DEMO - Hilarious mixed samples.
D114 - NEIGHBOURS SLIDESHOW - Very old but still amusing pictures of the cast with drawn on special effects.
D121 - GIRLS ON FILM - Digitised animation.
D129 - SHOWERING GIRLS - Colour digitised slideshow.
D138 - WAR SIMULATER - Samples that could get you a day off school or work. Sounds of sickness and war. Try it down the phone!!!
D198 - BASIC INSTINCT - Digitised pictures from the film.
D199 - STRIP SLOT MACHINE

VIDEO ART

U026 - TV GRAFFIX - Loads of backdrops etc. for use with genlock. Also fonts for Dpaint. (2 disks)
U169 - HARLEQUIN VIDEO ART 1 - Excellent collection of backdrops of superb quality for use with genlock.
U171 - HARLEQUIN FONTS 1 - Loads of excellent Hi-Res fonts.
U172 - HARLEQUIN FONTS 2 - More of the above.

VIRUS KILLER

V001 - SUPERKILLERS - Highly recommended as it could save you ££'s. Essential for hard disk owners. With no virus protection you are putting your entire software collection at risk. Regular updates to keep in touch with all virus activity. Separate versions for AGA machines.
All our disks are virus free.

MUSIC

MD01 - MUSIC MODULES - A massive 10 disk collection of good quality music modules. All of soundtracker file type for use with RSI Demo maker, Noiseplayer and many other applications.

AGA SECTION

A019 TO A023 - WEIRD SCIENCE - Excellent quality pictures. (5 disks - available separately)
A024 - FIT CHICKS - A collection of girly pictures for the A1200 only. (2 disks)
A025 - FREAKS BODY SHOP - A small selection of girly pictures.
A030 - FERRARI PICTURES - Pictures of a new model from the worlds most exotic car maker. Good 256 colour pictures.
A036 - NIGHTBREAD - Many pictures drawn in 256 colours. (2 disks)
G042 - AGA TETRIS - Controlled with the cursor keys, this excellent conversion of probably the most addictive game ever is now available with 256 colour graphics.
G082 - AGA CHESS - An excellent game but you will need 4mb of ram to get it to work!!!
U001 - ULTIMATE BACKUP DISK - This compilation includes DCopy V3.0 which is probably the only copier that works successfully on the A1200/A4000.
U123 - WORKBENCH HACKS - Many useless special effects for workbench V3.0
U118 - MORE WORKBENCH HACKS - Guess what?
U255 - WB V3.0 INSTALL - If you need to install your hard disk then you need this.
U256 - A1200 DEGRADERS - An essential purchase for AGA owners. Includes Fake Fast Mem, The Degrader, Diskstart, Kill AGA V2 and Helpful hints.
U257 - VIEWTEK V1.03 - An essential purchase allowing you to display AGA graphics.
U258 - HDMEM - This utility allows your AGA machine to use your hard disk as virtual memory. If you've got a 80mb hard disk then you can have 80mb ram. Requires FMU, MMU etc.
U272 - WORKBENCH V3.0 SCREENS - Improve the appearence of workbench with these excellent backdrops.
D181 - TEAM HOI PLANNER GROOVE - This was the worlds first ever AGA megademo.
D195 - PANTARHEI - A new AGA megademo. With amazing sound, graphics and colours.
D197 - TEAM HOI 2 - Sequel to the first ever megademo.

ABOVE DISKS WORK WITH A1200/A4000 ONLY.

ASSASSINS

THE EXCELLENT VALUE
ASSASSINS GAME COMPILATIONS
TO ORDER QUOTE ASI AND DISK NUMBER.
OVER 135 NOW AVAILABLE.

FONTS

WHY PAY MORE THAN £3.00 FOR FONT DISKS WHEN FIRST CHOICE SUPPLY EXACTLY THE SAME FROM JUST £0.89 !!!

FONTS AVAILABLE IN ADOBE TYPE 1 TESTED ON FINAL COPY IIB + PAGESTREAM V2.1 AND SCALABLE FORMATS TESTED ON PROFESSIONAL PAGE V3.0 + PAGESETTER V3.0.

FD01	FD02	FD03	FD04	FD05	FD06
FD07	FD08	FD09	FD10	FD11	FD12
FD13	FD14	FD15	FD16	FD17	FD18
FD19	FD20	FD21	FD22	FD23	FD24
		FD25	FD26		

REMEMBER TO STATE SCALABLE OR ADOBE

EACH DISK CONTAINS AN AVERAGE OF 17 DIFFERENT FONTS. BELOW IS A RANDOM SAMPLE OF FONTS FROM DISKS FD01 TO FD04.

NORMAL DISK PRICES APPLY
ALL 26 FONT DISKS FOR JUST £25.81

AachenBold AARCOVER
BauhausBold Anqm
BILLBOARD Chicargo Arctic2
AvantGarde Cartoon
Architect CaslonOpenface

A SMALL SELECTION OF FONTS FROM SETS 1 TO 4

DISK PRICES AND POSTAGE RATES

SINGLE DISK £1.85 INCLUSIVE P&P
2 - 15 DISKS ONLY £1.25 EACH
16 - 25 DISKS ONLY £1.00 EACH
26 + DISKS ONLY £0.89 EACH

POSTAGE IN UK £0.80 PER ORDER
P&P FREE ON SINGLE DISK IN UK ONLY
EUROPE +25p DISK (MIN £1)
WORLD +45p DISK (MIN £2)

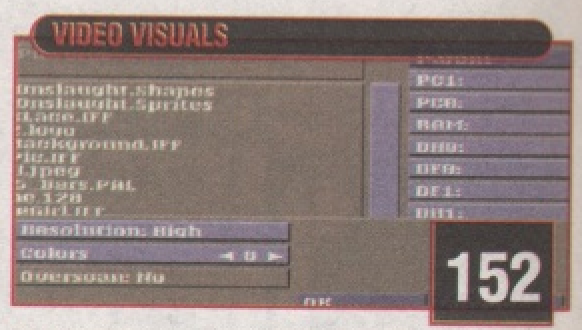
AMIGA Workshop

ISSUE 16 APRIL

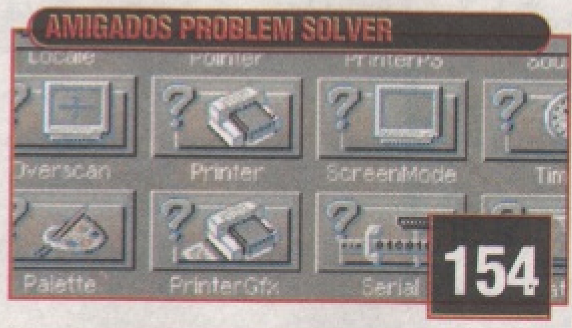
For those who read the magazine backwards, welcome to the April issue of CU AMIGA. If it's top tips you want, you've come to the right place, because that's what Amiga Workshop is all about. With the best tutorials on the planet, our crack team of experts are here to help you get the most out of your Amiga. Whether you're into video, music, programming, comms, graphics, *ARexx* or DTP, there's plenty to get your teeth into here. Then there's a special two-part Q+A to solve all your problems, the monthly rant in Points of View, and Backchat where readers air their views on all things Amiga. Dive in!



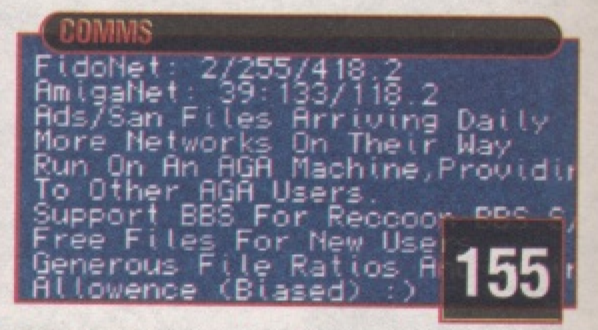
Your A1200 might have a whopping 2Mb of RAM, but animation still eats memory at a frightening rate. Thankfully, Peter Lee is on hand to give some handy RAM-saving tips in part 3 of his *DPaint AGA* Masterclass. Hooray for Peter as he helps us save our memories.



With the help of our *Scala Home Titler* coverdisk from the February issue, Jason Holborn tells us that classy video titling needn't cost an arm and a leg, and shows us that professional results are possible with nothing more than your Amiga, Scala and a home VCR.



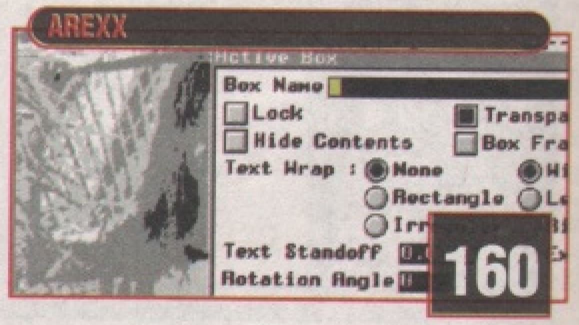
You got a problem mate? Want to make something of it?. See John Kennedy. He's got the answers to all those nagging problems that Workbench and AmigaDos love to throw at you, like how to make assignments and jazz up your Workbench icons.



Wired World's John Armitage investigates the underhand tricks of the modern virus, and suggests a few remedies and helplines for infected cyberpunks.So if you're being pestered by a nasty virus, and I don't mean the common cold, read this.



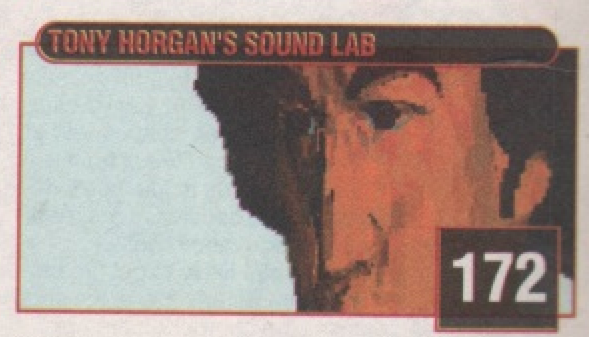
Not one, not two, but three ways to use your Blitter with *Blitz Basic* are explained in detail by the man who has almost the same name as the Holborn Viaduct. Yes, it's good old Jason Holborn, *Blitzing* over your troubles waters once again.



Apparently, Dave Smithson was wearing his wellies when he wrote this month's *ARexx* tutorial, but don't let that put you off, because then you might never learn how to get *ARexx* to do all those jobs you hate (unfortunately this doesn't include the washing up).



What do you really need for a decent DTP setup? In the final part of this series, John Dodds takes a look at the world of DTP including graphics boards, scanners, monitors and software that can turn your Amiga into a publishing powerhouse.



Get a cheap second Amiga, and experience the luxury of eight top-quality sample channels! It's a lot cheaper than you think. The man they call Hammond shows you how it's done in part 3 of the *OctaMED 5* tutorial, delicately spiced this month with mesquite and paprika.

Regulars

166 QUESTIONS AND ANSWERS

It's the Mat and John show! And here they are again... Mat and John! Can we have the first question please? Yes, the man at the back with the big nose and the paisley shirt..."My Amiga doesn't work, what's wrong with it?". Turn to page 166 to find out.

174 BACKCHAT

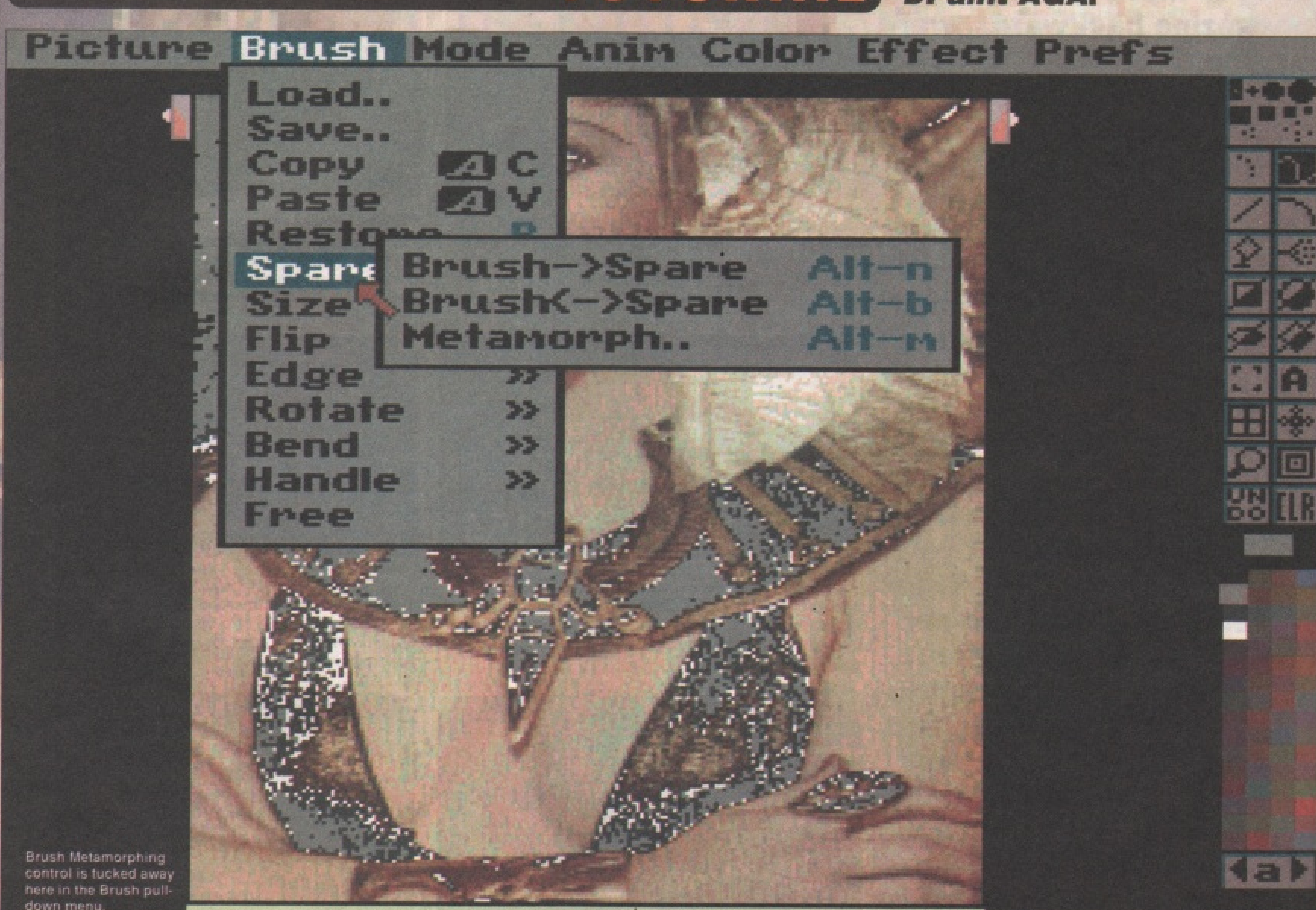
Got something to say? Then don't bottle it up, get it off your chest and let the world know about it in Backchat. This month we also spill the beans on the CU AMIGA's childhood heroes. Hoorah!

178 POINTS OF VIEW

In years to come, they'll be asking: "Whatever happened to those good old chainsaw massacre computer games?". Well, it's a thought, isn't it? Tony Dillon debates the idea of movie-style censorship for computer games: will it really save humanity, or will it just sell more games to the wrong people?

Pete Lee's DPAINT AGA TUTORIAL

Peter Lee comes up with some neat tricks to get around any memory problems you may encounter whilst trying to animate in *DPaint AGA*.



Brush Metamorphing control is tucked away here in the Brush pull-down menu.

PART 3

The average A1200 comes with a whopping 2Mb of RAM. Well, it's large when compared with the old standard Amiga configuration of 512K. But as soon as you try and animate in DPaint AGA, you wonder where it's all disappeared to!

Running *DPaint* from the Workbench in 256 colour low res mode, you'll be lucky if your frame count hits double figures. And that's in compressed storage mode. Select expanded storage and you're likely to get groans before you hit nine frames. Clearly this is not good news if your animation plans border on the epic.

You should really shy away from such a memory pig as 256 colour mode for general animation work unless circumstances give you no other option. However, your hands may be tied, as full colour digitised images tend to be converted to 256 colours to retain some degree of integrity and using less degrades the image unacceptably.

But there are some neat tricks you can do to get around the memory problem with 256 colours, even if it is only in 10 frames or so. First of all, this mode scores when it comes to special effects – morphing, for example. Having a faster 68020 processor on board, the A1200 can calculate at a faster rate than the former entry-level Amigas (A500, 600 – and even my beefy A2000); but even so, changing one image to another really eats up those CPU cycles.

LESS IS MORE

What exactly can you do with all those AGA colours, and so few frames? Well, here are two hints to to bear in mind : Firstly, when *DPaint* stores compressed animations, it just stores the changes between frames. If you have multiple objects whizzing around the place, the storage overhead will be high. But if you have one main image and smaller animated portions, you will get a longer animation.

Secondly, lengthy Anim brushes also eat into memory and restrict the number of actual animation frames you can create. Watch this, as you may have specified a reasonable number of frames only to find that *DPaint* won't save changes in them after a certain memory watershed is reached.

BLIND PANIC

As I was creating the effect for the series on the opposite page I found myself in a tight corner. I didn't have enough memory to continue adding to the animation frames. And I'd only created eight frames to start with. But I eventually found a way around the problem, which may save your bacon one day, so read on and follow the guide overleaf.

This example uses 256 colours in low-res mode. It uses *DPaint's* Morphing feature in a strange but useful way. I morphed a digitised image of Claudette Colbert (a old movie star if you need to ask...) in such a way that it gave the impression of rolling down the screen – very much like a roller blind. Here's a step-by step guide on brush morphing using Claudette as an example:

1 Cut out your starting brush. In this case it was the whole digitised image of Claudette.

2 From the Brush pull-down menu select the Spare/Brush>Spare command. This stores the brush in memory.

3 You would normally select another brush now, for the transition effect. But instead, cut out a totally blank brush from the background (ie the brush contains no colours other than the background), you can force *DPaint* to create the special unrolling effect we're after.

4 From the Brush/Spare menu, select Metamorph. You will then have to tell *DPaint* how many cells (or mini-frames) you want your stored brush and current brush to change over. We're working on an eight frame sequence, so enter the figure 7. This is because our first frame will be the original image which we used for our initial brush.

5 The program will create a new Anim brush for you, drawing it on screen as it progresses (quite slowly sometimes, but have patience). When it's completed, your Anim brush will be available to paint with. And don't worry, because your original screen will still be intact.

6 Create seven blank animation frames by pulling down the Anim/Frames/set # menu, and enter 7 as the number of frames.

Pressing key 7 cycles through the cells in the Anim brush, so you can ensure you're placing the first Anim brush image in the correct frame. So, starting at Frame 1, with Anim brush cell 1, I started to manually paint down the cells. *DPaint AGA* advances the Anim brush a cell each time you paint a cell on screen. After each cell painting, press key 2 to advance to the next animation frame.

All hell broke loose when I got to frame six; I hit the insufficient memory problem, which prevented me from completing the job. *DPaint* refused to save changes to the frame, which would have meant abandoning the sequence when it was unfinished.

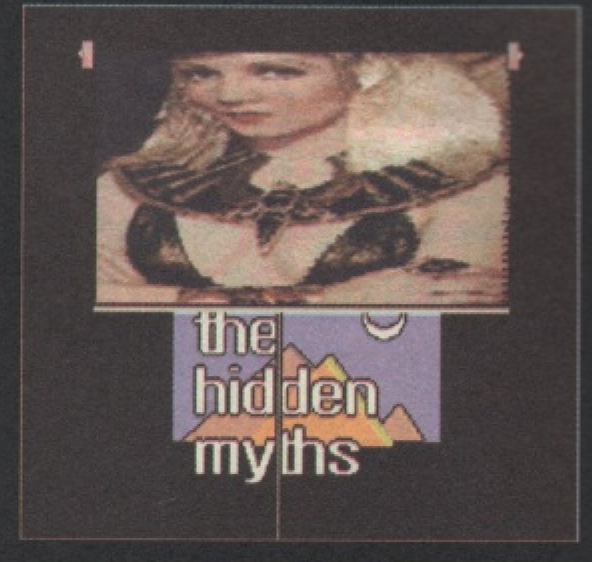
But there's a sneaky way to overcome this challenge: I pasted down the remaining three Anim brush images on the same blank frame, and from the Anim/Anim brush menu I then chose the Free option, to remove the Anim brush from memory, and so free up more room for the animation. I then had to cut and paste the three salvaged images into their respective frames to complete the animation, which was now possible because of the RAM freed up by releasing the Anim brush.

I added the text and blind fittings as the last job; The Amiga still had enough memory free to let me make a stencil and add the text behind my roller-blind without painting over it. (Make every colour, except black, part of the protected stencil). I added the ring-pull manually as a finishing touch. And when the animation is played back, the blind rolls up to reveal the text. This effect will work with any mode or number of colours and the clever thing is that *DPaint's* metamorphing does 80% of the work! »

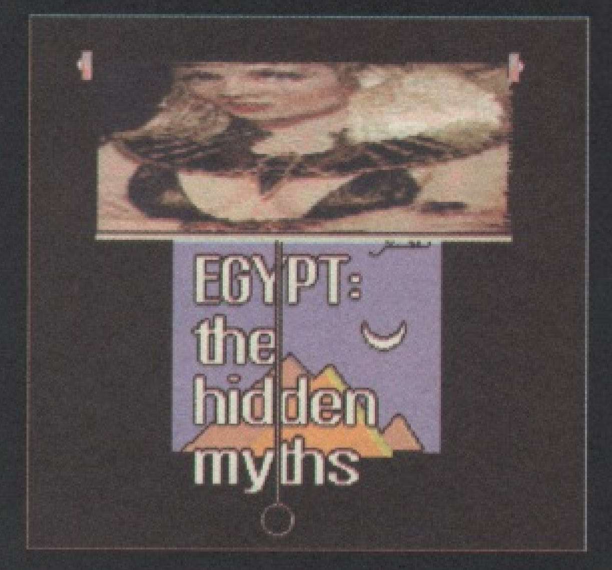
NEXT MONTH

In the final part of this mini-series, Peter takes you through a project guaranteed to show you how to get the best effects from your copy of *DPaint AGA*, plus a look at what's possible in the advanced HAM modes.

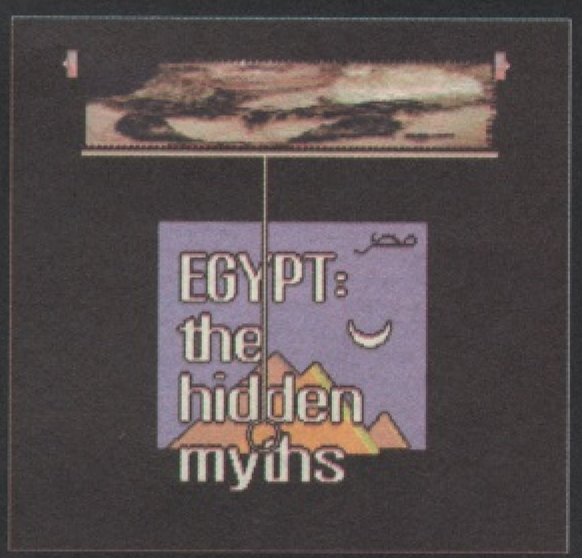




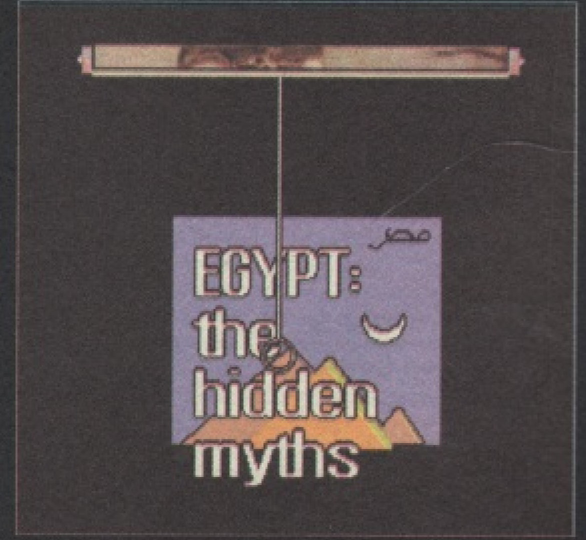










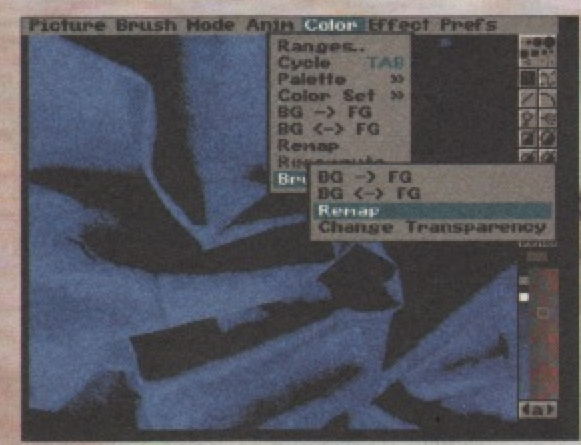


» HANDS ON TUTORIAL

TUTORIAL THREE

In this month's tutorial, Peter Lee examines the power of AGA morphing and looks at image superimposition and full screen breakdown.

When you're morphing with *DPaint AGA*, you can use 256 colour images or simple line art – it all depends on your needs. This tutorial looks at both methods.



If your brush isn't using the same palette as the main picture, force it to so with the colour/brush/remap option.

FULL FEATURES

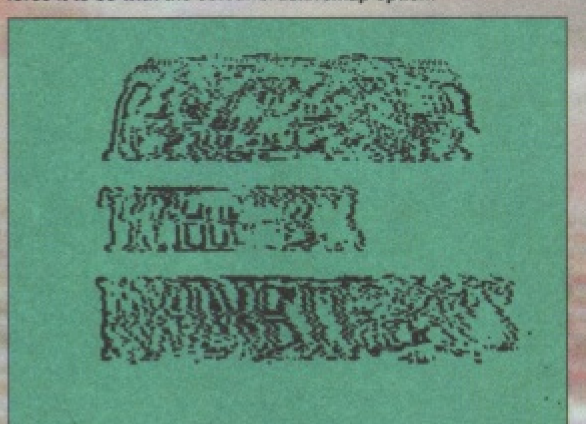
One of the great features of *DPaint AGA* is the ability to morph full screens – memory allowing, of course. With this in mind it would be impossible to morph one 256 colour image into another over a dozen frames unless you had some RAM expansion.

But provided you confine yourself within the limits of your system, the basic 2Mb A1200 can do wonderful full-screen changes.

The morphing technique used by *DPaint* programmers is such that it actually works better the fewer colours you use, which makes it especially good for line art transitions.

The small full-screen demo below shows a really clever morph from an image to text. All of the lines which make up the picture can be seen to be moved into the correct position to spell out the text. I don't think a dedicated morphing package could have done better under the circumstances (ie leaving the software to work everything out for itself).





FACE OF
THE
NINETIES

A BUSH IN THE HAND..

This is an example of metamorphing with two brushes. It also pulls in *DPaint*'s anti-alias function as well as the Trails feature in the automated Move requester.

The two images I chose, both 256 colour jobs, were of an American Eagle and American ex-President. George Bush is the one with his mouth open. Anyhow, the first job was to ensure both images shared the same palette. To do this I cut out the eagle, from its larger picture, then loaded in Mr Bush. The eagle turned a funny colour, so I asked *DPaint* to try and compensate for this – to use what colours were available in the Bush picture to mimic the bird's true colours. To do this, pull down the Colour/brush menu and select Remap.

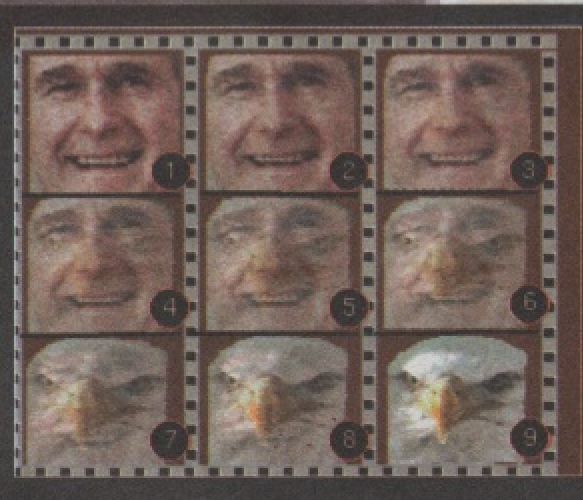
Next, I created a 10-frame animation consisting solely of the Bush picture. This is easy – simply pull down the Anim/frames/set # menu and enter the number of frames you want. Your starting picture is copied to all the newly created frames.

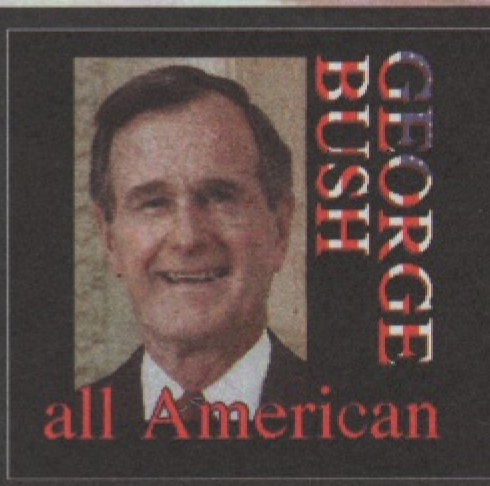
I transferred the eagle into memory using the technique outlined in step two earlier, then cut out a similar sized portion of George's face, and asked *DPaint* to metamorph the two.

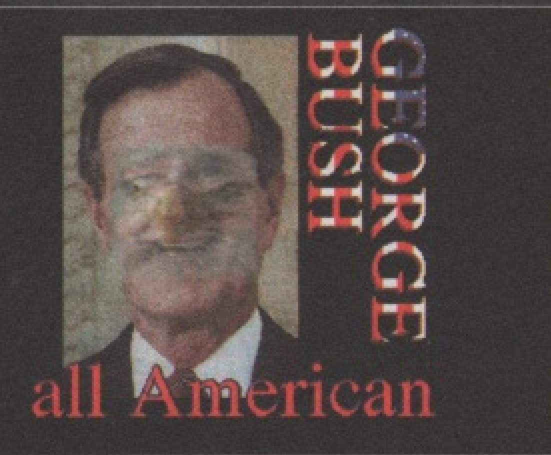
Once the Anim brush was created (beautifully, I have to add) (*big head – ED*), I activated Anti Alias/High from the Effects menu, and called up *DPaint's* move requester. The eyes of the bird were too low down in the final cell of the Anim brush, so I compensated for this by entering 15 in the Y movement counter (this would move the Anim brush up slightly as it progressed, to get the eyes better placed).

All that remained was to click on Trails from the Move requester, so that the Anim brush would be pasted over itself as it was drawn on each of the animation frames. This gives an evolving image effect, and is more pleasing when used with the anti-alias control active.

The finished animation is really neat – not as good as dedicated morphing packages, I have to say – but a marvel of *DPaint* technology nonetheless.



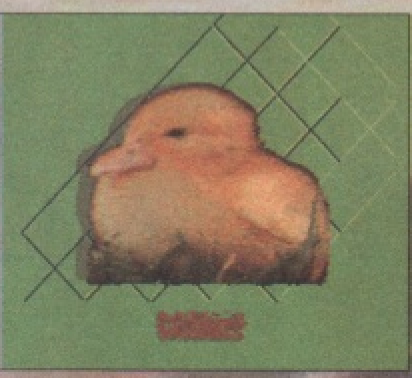




















CHAIN OF EVENTS

Using the cliche metamorph which turns a bird into an egg (with at least the novelty that this time that it's a duck egg...) let's use a simple example to show how morphs can be chained.

Changing the bird and egg should be straightforward after our earlier examples, so let's concentrate on the text.

The caption, which morphs along with the 9-frame animation, spells out 'WHICH CAME FIRST?' It's a good idea to write your text on DPaint's spare screen, that way the colour palettes will be the same.

To achieve the multiple morph, I cut out the first word, copied it to Spare, then cut out the second word, and asked for a metamorph over three cells.

I pasted these down on to the first three frames of the animation, then cut out the second word again, copied this to Spare, then clipped the last word out and metamorphed the brushes.

Pasting this sequence down after the first set of 4 cells creates a chained animation, which is completed when the last word and first word are treated in exactly the same way and painted on the image.

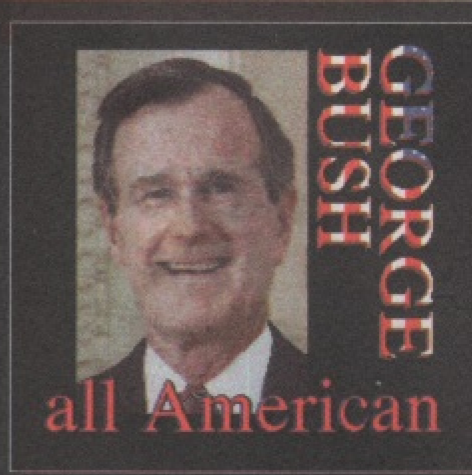
When played back 'WHICH' morphs to 'CAME', and 'CAME' morphs to 'FIRST?' And then

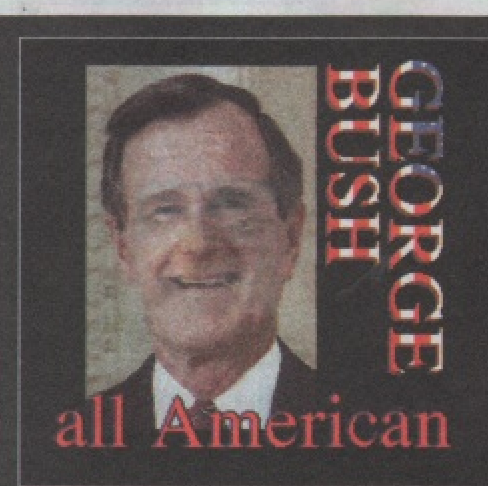


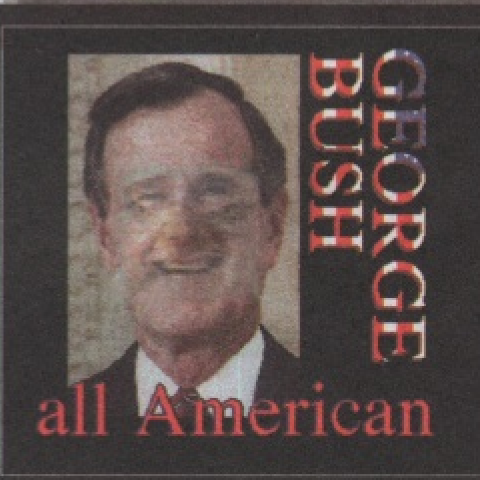


'FIRST?' morphs to 'WHICH' ... and so on as the animation loops.

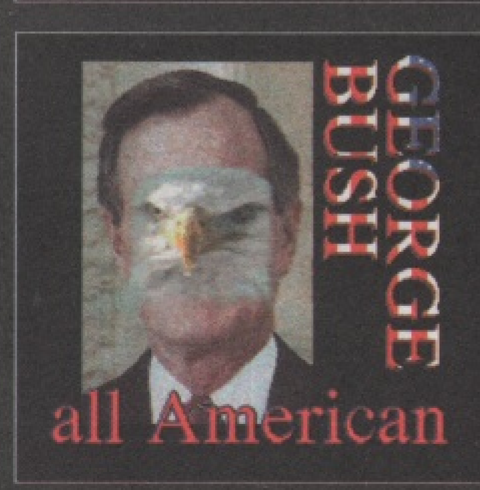
Using this technique you can morph a series of images together in a chain – provided you have the memory of course. How about chaining a picture of your dad, mum, you and your brother or sister together for an animated family tree?

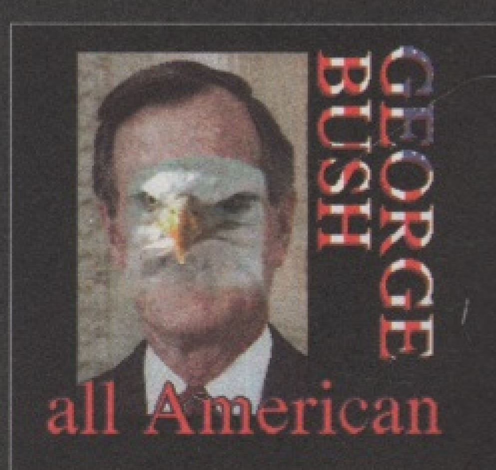












VIDEO TITLING

With nothing more than an Amiga, a video recorder and our coverdisk demo of *Scala HVT*, you can enter the desktop video scene with a bang. Jason Holborn is the man with the matches...

It's a common misconception that in order to get started in desktop video, you need a bank account containing more digits than your dear old Auntie Ethel's phone number in Australia. Sure, if you want to create the sort of wonderful video effects that would have Steven Spielberg goggle-eyed, you're going to need a little bit more than just a bog-standard A500 – video editing systems, chromakeys, time base correctors, 24-bit colour cards, broadcast quality video decks are just some of the things you would need.

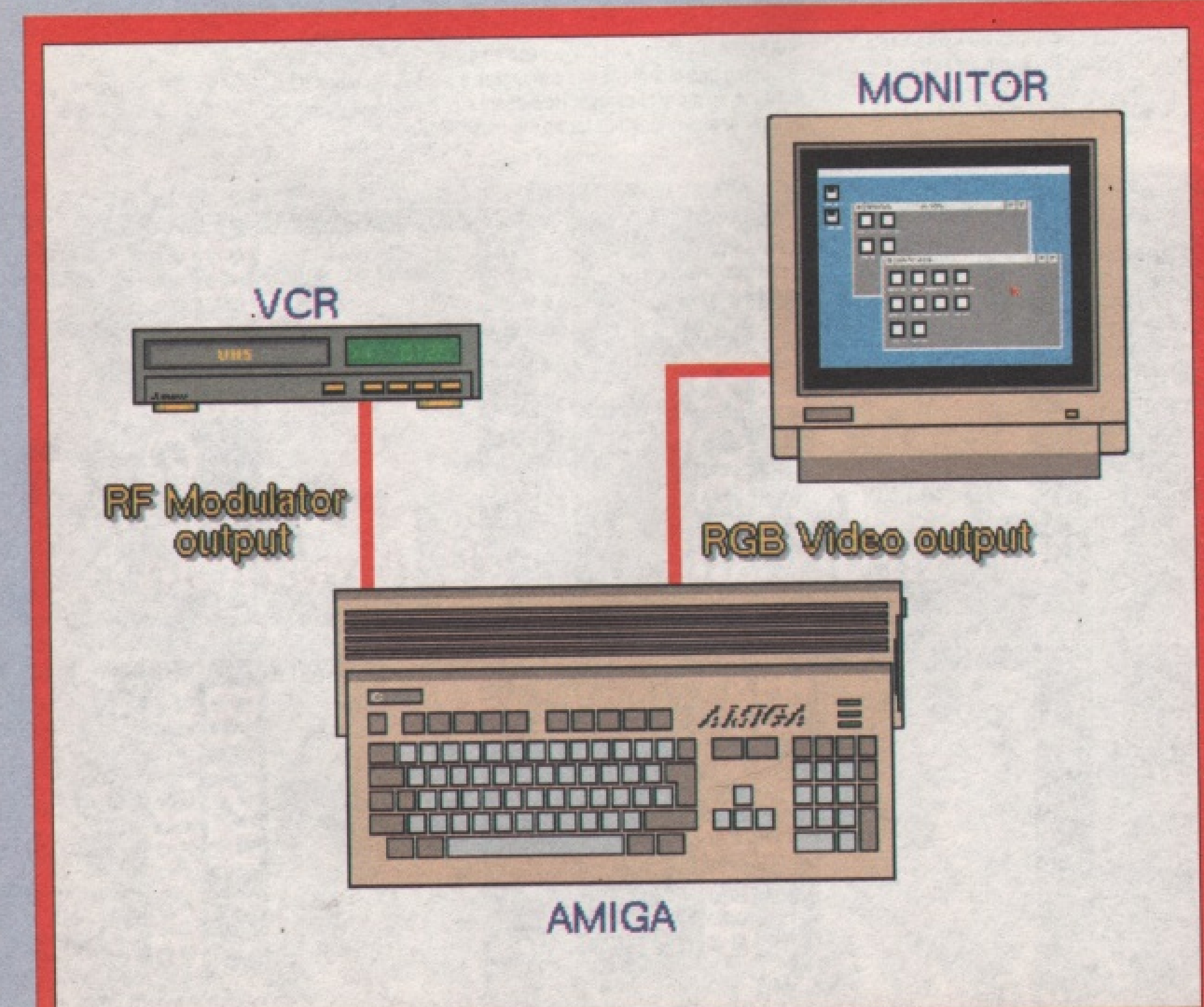
But whilst all this wondrous video wizardry may well allow you to create the sort of results that wouldn't look out of place on the screen of a *Quantel Paintbox* (an expensive broadcast quality painting system), the problem is they all cost serious money – money that most of us just don't have these days (especially in the wake of Christmas and the January Sales!).

Rest assured, however, that you don't need to re-mortgage your house to get started in desktop video. For the most basic of video systems all you need is an Amiga (this bit is very important), a video recorder, a video titling program and some good ideas. What's more, you may be surprised to learn that at least one of these items you already own – if you bought the February issue of CU AMIGA. On it you will have found a demonstration copy of the brilliant *Scala HVT* (Home Video Titler) on our coverdisk. Providing you've got the other three components, your home video setup is virtually complete.

For those of you that haven't yet loaded up the demo of *Scala HVT*, it's a powerful video titling and presentation program based on the excellent *Scala MM300* multimedia system we reviewed in our last issue. With *Scala HVT* you can create fantastic video titles and other static displays in a fraction of the time that it would take even the most experienced *DPaint* dauber to knock up the same results in a paint program. What's more, you don't even need to know a great deal about video titling to get to grips with *Scala HVT* – just a basic idea of what looks good is all that is needed.

INTRODUCING SCALA

Now that you have a video recorder safely attached to the back of your Amiga, we're ready to get stuck into *Scala HVT*. The first step is to load up the *Scala* program, so double click on the *Scala* icon and it should load up on to the memory of your machine. What follows is the first of a series of tutorials that will take you steadily through the *Scala* menu system. Hopefully, by the time you've read through them all, you should be a fairly proficient *Scala* user. Without further ado then, let's get stuck in.



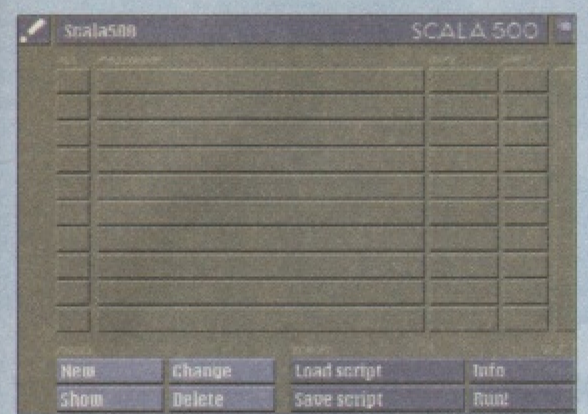
GET CONNECTED!

Before we dive in with the first of our *Scala HVT* tutorials, let's take a look at how to get your system set up. If you already have a genlock and a couple of video decks, ignore the following – for the rest of us, however, you'll find the following setup more than adequate for basic video titling.

Without an expensive gadget like a genlock you won't be able to overlay your titles onto video tape, but some very effective results are possible nonetheless. All you need to do is to feed the composite output from the rear of your Amiga into the Video In socket on the back of your VCR, switch your VCR to External In (this is sometimes called either AUX In or Camera In on some makes of VCR) and your VCR should directly accept the composite output from your Amiga. Older Amigas (pre-A1200, that is) offer only a monochrome composite output so you may want to use the RF modulator output instead. However, if your VCR has a SCART input, you can connect it directly to the RGB output of your Amiga for a very sharp picture. Set the VCR to AUX in this case.

Using the RF output makes the process of getting your VCR to accept the signals from your Amiga somewhat more involved. This is because the RF signal is output at a lower frequency which keeps it completely separate from normal TV signals, thus you'll need to tune in one of the spare channels on your VCR so that it displays the RF signal.

This may not be the most powerful video setup possible, but it's adequate for simple video.

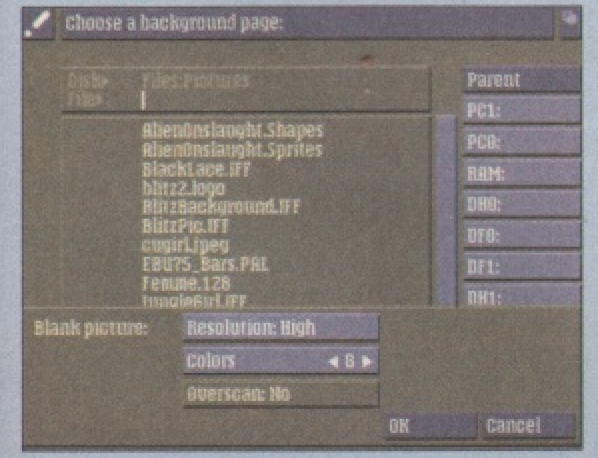


Above: **Scala's main menu which pops up once you have loaded the disk.**

Once *Scala* has been loaded, you should see a display consisting of ten rows of four columns of gadgets. This is the *Scala HVT* main menu and each row of gadgets represents a single *Scala* event. Each column of gadgets controls a particular aspect of the operation of the presentation – the first (labelled 'No.') simply displays the number of each page, Page Name displays the name of each page, Wipe defines which wipe pattern each screen is to be displayed in (more on these in a later issue!) and the Pause gadget defines how long each page is to be displayed for. Don't worry too much about these gadgets for the meantime as their use will become obvious later.

In more advanced versions of *Scala*, a single event can consist of anything from a music module, a sound sample or even an external control event. In *Scala HVT* however, only one type of event is supported – pages. Each page contains a screen full of video titles, and each page is played back in the order that they are displayed within the menu. As you will see later it is also possible to change the order of pages.

When *Scala* is first loaded, the main menu display should be empty. At this point you could load a Scala presentation from disk simply by selecting the Load Script gadget at the bottom of the screen. For the sake of this tutorial, however, we're going to create our own *Scala* presentation. Before we can go any further, however, we need to start by creating our first page event. Click on the New gadget at the bottom of the screen and a file requester will appear prompting you to choose a background page. *Scala HVT* allows you to drop any pre-AGA or non-HAM image into a page as a background. We won't worry to much about this too much for the moment though, so simply click on the OK gadget and the file requester should be skipped.



Scala **supports all pre-AGA screen modes except HAM mode.**

If you clicked on the OK gadget without selecting a background image, a requester should appear in the bottom third of the *Scala* screen which prompts you to select the screen mode of a new blank page. By default, this should be set to eight colour high resolution with no overscanning. You can of course change this to suit your own needs – *Scala* fully supports all pre-AGA screen modes with the exception of HAM mode (HAM mode is rather useless for video work). If you upgrade to a newer version of *Scala*, you'll get full AGA support. For the sake of this tutorial, the default screen settings are fine, so simply click on the OK gadget.



In *Scala*'s page editor you can create all the various pages of your presentation.

As if by magic, a completely new screen should appear consisting of a very tasteful blue screen in the top two thirds of the display and a small toolbox consisting of lots of gadgets in the bottom third of the display. This is the *Scala* Page Editor and it's from within this part of the program that you create all the pages that make up a Scala presentation. You should see at the top left hand corner of the screen an orange cursor – if you type something on the Amiga's keyboard, you should see the text appear on the screen at the current cursor position.

Let's start then by entering the first line of titles. What you type is entirely up to you, but if you want to follow this tutorial to the letter, enter SCALA HVT TITLING and press the RETURN key. When you press the Return key, the cursor should drop down to the next line and return to the left hand side of the screen. If you've ever used a word processor, then this method of entering text will be all too familiar – just like a word processor, you can edit your text simply by moving the cursor back up to the line you've just typed using the cursor keys on your Amiga's keyboard. For a more direct approach, you can also simply move the mouse pointer over the text that you'd like to edit and then click the left mouse button. Once the cursor has been repositioned, you can then insert and delete characters in exactly the same way as you would in a word processor.

Now that we've entered some titles, let's make them look a bit more interesting. The first thing



Editing text is simple – either by moving the cursor using the cursor keys or the mouse.

we need to do is to centralise them on the screen. If the cursor isn't already over the titles, move it back up so that it sits on the same line as the titles and then click on the Centralise Text gadget (it's in the middle of the three gadgets immediately below Shadow). If all went well, the titles should then shift over to the centre of the screen. You can also move your titles to any vertical screen position by clicking on the Move gadget. When you click on this gadget, the Scala toolbox should disappear revealing the full page, complete with your line of titles.

If you then move the mouse pointer over your titles and click and hold the left mouse button, you can move your titles up and down the screen. Note how the text remains horizontally fixed to the centre of the screen – if you turned Centralise Text off, however, *Scala* will allow you to reposition your titles anywhere on screen.

For now, however, move your titles down to the centre of the screen and then press the right mouse button to return to the normal editing mode.

We won't do anything else to this particular page



If you want to see how your *Scala* presentation is looking so far, just click on Run.

for the meantime, so click on the OK gadget and a requester should pop up on to the screen asking you to name the page you've just created. By default, *Scala* uses the first line of titles as the page name. This can sometimes make your presentations a little vague, so you may want to delete the name that *Scala* automatically assigns it and give it one of your own.

Finally, click on the OK gadget and you'll return to the *Scala* main menu. If you look at the top of the screen, you should notice that the first row of gadgets will be highlighted with the Page Name gadget containing the title of the page that you've just created. This is *Scala*'s way of telling you that your first page is safely stored away in its memory.

That's about it for this month but if you wish to see your *Scala* presentation so far, click on the Run gadget. By now you should have grasped the basics of using *Scala HVT* but there are many more wondrous features of this program still to be covered in the next few issues. CU

NEXT MONTH

I'll be showing you how to select different fonts, how to apply styles to your titles and we may even find time to take a quick peek at *Scala*'s impressive range of wipes. Stay tuned!

THE AMIGADOS PROBLEM SOLVER

Resplendent in his promotional Guinness t-shirt, John Kennedy skims the froth off a few pint-sized Workbench problems and has some good ideas for bad icons.

This is the first of a series of tutorials where we aim to look at some of the more common problems with AmigaDOS. Hopefully, after reading through this lot, you'll understand what is behind all those error messages which crop up with annoying regularity.

BOOTING AND ASSIGNS

When you create an assign (a program telling the computer to look somewhere other than the expected place for a disk or volume), you are defining a new Amiga device, like a disk drive or a printer. As this device doesn't actually exist you obviously can't just build a real disk drive by magic, simply by typing 'it's called a Logical Device, as opposed to a Physical Device'.

However, you can use an assign to save yourself a lot of typing at the shell. For example, imagine that you need to access a file that's buried in a drawer, which, in turn, is also in a drawer. The overall path to the file could be something like:

```
df0:graphics/pictures/my-cat
```

To save typing all the above every time you need to look at your cat, make the assign:

```
assign Fluffy: df0:graphics/pictures/
```

You have now created the logical device Fluffy: You can check that the assign is there by entering Assign at a shell by itself – a list of all the current assigns will appear and Fluffy: should be in there somewhere. Now that I have created Fluffy: accessing my-cat is a lot easier. The following will make a copy of the file in the Ram disk.

```
copy fluffy:my-cat to ram:
```

If there is a problem with the assign statements, they will disappear as soon as the power to the computer is removed. To ensure they are always present, you will have to add them to your start-up sequence. On Workbench 2, use the file S:user-startup to store all your important assigns. The user-startup file is automatically invoked by the real startup-sequence.

S: is an assign, but it's rather a special one which the Amiga operating system has created for itself. Along with LIBS:, DEVS:, C: and a few others, where S: actually points to depends on how the computer was started up.

When you boot your computer from a floppy disk, say the standard Workbench disk, these assigns all point to the relevant directories on the floppy disk. In effect, they are set like this:

```
assign s: df0:s/
assign c: df0:c/
assign devs: df0:devs/
assign libs: df0:libs/
```

If you have a hard drive, the computer will usually boot from it. When this happens, the assigns are made to the directories on the hard disk, like this:

```
assign s: hd0:s/
assign c: hd0:c/
assign devs: hd0:devs/
assign libs: hd0:libs/
```

If hd0: is the bootable partition on the hard disk. This may be different on your hardware and called dh0: or something similar.

To add assigns to the user-startup, open a shell and enter:

```
ed s:user-startup
```

Now you can enter some definitions, for example:

```
assign graphics: hd0:art/pictures/
assign sound: hd0:music/samples/
```

When you finished, press ESC and then X to save your new user-startup.

EXPLODING LIBRARIES

The way in which the assign definitions can vary depending on boot disk sometimes leads to a few problems. Take the classic 'explode.library not found' error message which usually occurs when a coverdisk program such as *VirusChecker* is run.

If the disk with the virus checker is used to boot the computer, everything will work fine. However, once the program is copied to another floppy or onto a hard disk, up pops the error.

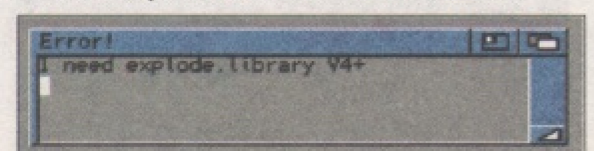
What's going on? Well, the *VirusChecker* program requires a special software library to run, and it looks in the LIBS: directory to find it. As the floppy disk booted the computer, LIBS: is the libs directory on the floppy disk which will contain the library.

However, if the Amiga is booted from the hard disk and the virus checker is run, it may fail. It will still look in LIBS: for the library, but the LIBS: won't be referring to the floppy, it will be looking on the hard disk. Chances are that the correct library isn't on the hard disk (unless you copied it there) and so you can get an instant error message.

To stop this from happening, all you need to do is make sure that the library is in your hard drive libs directory. Boot from the hard drive, insert a coverdisk which has the virus checker and enter the following at a shell prompt:

```
copy df0:libs/explode.library to libs:
```

At last your exploding library problem will be solved, as the required library becomes a permanent part of your Amiga system.



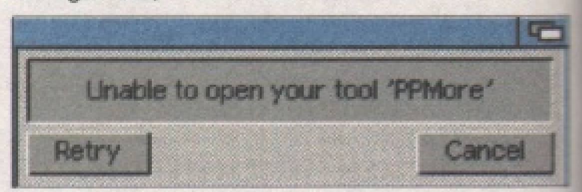
How many times have you seen this? Judging by the number of letters to Q&A on the subject, nearly everyone seems to be plagued by a similar message several times a day.

TEXT AND DOC FILES

Have you ever clicked on a *ReadMe* icon, only to find that instead of text, you get an error message? I have and it is extremely irritating.

When a Doc file gets it right, double clicking should automatically load a text display program (such as *More*) and then have itself loaded and displayed. What happens is hidden from sight – all you know is that you clicked on a text file, and it appears on the screen in front of you.

However, as you would expect, nothing is so simple. The text program cannot appear on-screen by itself, it must have a viewing program. You can check the name of the viewing program which a particular document needs by using the info command from the Workbench. Highlight the icon with a single click, and then use information from the Icon menu. You should then get a window. The text in the default tool box is the important part of this window. This is the name of the program which will be used to display the text, and if you don't have it – the text won't be displayed and you'll get an error message instead.



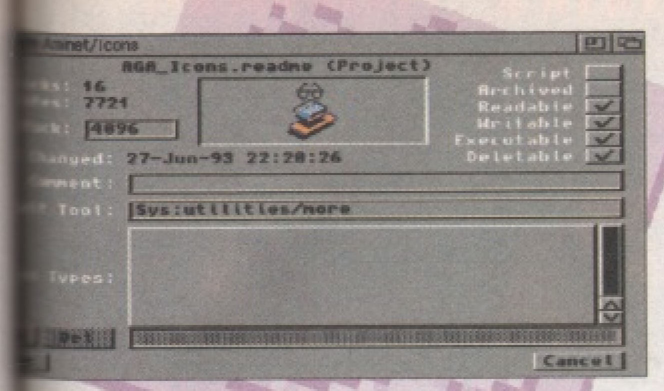
Another annoying error message; you click on an icon called ReadMe and all you get is abuse from the operating system.

If the text is a raw, plain, ordinary text file (sometimes called an Ascii text file because all the letters and numbers conform to the American Standard Code for Information Interchange character set) then the text editor *More* will do fine. Every Amiga comes with *More*, usually lurking (without an icon of its own) in the Utilities drawer. The Utilities drawer is one of those drawers which the Amiga will search through for commands automatically, and so no path is needed.

Assuming you have a text file called Help.doc in the RAM: disk, to read it all you need do is open a shell and enter:

```
more ram:help.doc
```

Sometimes when an author puts a document in the public domain he or she forgets to change the



Using the information option from the Workbench pull-down menu, you can check on the name of the viewer (if any) the document file hopes to use. This can be changed if necessary, type in the new name and hit save.

name in the icon to *More*, and keeps it pointing to some obscure text reader only themselves and a Scandinavian hacker know about. If so, just change the name in the default tool box to *More*, select save and try again.

Unfortunately, nine times out of ten, when a document icon fails it's not because it can't find *More*. Instead, it is more likely that the text file has been compressed with a program such as *PowerPacker* and is no longer raw Ascii. Displaying a crunched file with *More* is not going to bring much joy either: a dedicated crunched file-viewer is needed.

The standard decompressor and viewer is called *PPMore*, and if you don't already have *PPMore* on your hard disk you have probably seen the error message 'Can't find tool *PPMore*' more than once. The solution isn't very difficult – simply copy the *PPMore* program to your hard disk. Find a coverdisk with *PPMore* (most of them have it, although they may hide it in the C directory) and copy it across. Rather than fill up your own C: directory, put it in Utilities with *More*, as follows:

```
copy df0:c/PPMore to hd0:utilities/
```

Once you have sorted a few icons out, you'll soon recognise the tell-tale signs and what to expect. If you have *More* and *PPMore* on your boot disk, you should be able to read just about anything.

PRETTY ICONS

I must admit to hating the tedious orange and blue icons of Workbench 1.3 – they look so boring. I can't understand why more folk don't take advantage of the icon editor and backdrop preference to make more interesting displays.

I suppose, unless you have a hard drive and perhaps a little more memory than standard all the new icon data can eat into your precious resources. However, if you have an A1200 with a hard drive you can finally ditch those boring colours.

Every icon on the Amiga can be altered, and that includes the floppy, hard and ram disk icons. Editing the icon for say, the preferences printer control is no problem: load it into the icon editor, draw all over it and save it back out.

Altering the icon for the hard and floppy drives isn't really a problem either, as each drive has a file called disk.info in the root directory. Enter dir hd0: (or dh0:) and amongst all the .info files and drawers you'll see it.

The only thing that could possible go wrong when experimenting with icons is a mix-up over their type. An icon can be a project (like a text file), a trashcan, a disk (hard, floppy or ram) or a tool (like a word processor) and if you save a project icon out as disk.info then funny things might happen. This is why it's best to load the original icon into the editor and change that, rather than start from scratch.

IT'S MAGIC!

Although I would love to pretend otherwise, I'm not a terribly artistic person and I have to admit that the icons I use on my Workbench are all taken from some public domain and shareware disks. The most important addition to my set-up was from a program called *Magic Workbench*, which adds incredibly snazzy new drawers and default Workbench icons. 17 Bit Software sell this disk at the moment and it is well worth having.

The Magic WB system includes an excellent font called XEN which manages to be readable and yet very compact. I use it in every program I can to fit more text on-screen, as it looks so much better than Topaz.



You too can have a snazzy Workbench like mine.

I have picked up other icons from various disks, and re-coloured them to fit into my standard 16-colour palette. The key to a good icon is small size (I can't stand huge, cluttering icons) and clarity: the icon must look like something useful or you'll never remember what it's for.

If you have a multiscan monitor and a AGA machine, you're lucky in that you can display a flicker-free Workbench of about 640 by 512 or bigger, which makes for an excellent working environment. Add a digitised image as a backdrop and you'll have a Workbench that you can really be proud of! CU

NEXT MONTH

More AmigaDOS tricks and tips, including creating the best possible Workbench layout, playing with multiview, archiving and compressing files.



WIRED WORLD

More electronic gossip from the anything-but-dumb terminal of cyberpunk John Armitage.

Viruses – you can love 'em or loath 'em, but you can't ignore them. In fact, if you love 'em you must be completely mad as they mean nothing but trouble.

A virus is a small program with two objectives: one, to duplicate itself as often as possible, and two, to perform a very nasty side-effect. The side-effects of a virus can be irritating (your mouse pointer turns into a rude shape), severe (unpredictable crashes) or catastrophic (destruction of all files on a hard drive or damage to a commercial game).

The best way to protect yourself is to keep a good piece of virus-checking software close at hand – preferably running all the time in the Workbench background. Unfortunately, keeping up-to-date with the latest killers has always been a hit or miss affair, depending on magazine coverdisks or Public Domain libraries. Now, however, Comms can come to the rescue.

You may have read about Safe Hex International in CU AMIGA before – they are a group of programmers and interested parties dedicated to eradicating the threat of Amiga virus programs. The DABBS bulletin board in Leeds has become the official system of Safe Hex International, which means anyone with a modem can log in and get the very latest software as soon as it is released.

LOG IN

DABBS runs 7 days a week, 24 hours a day and is a board dedicated to the Amiga. Logging on is easy – answer a few questions, pick a password and you are immediately granted access to most areas. Any modem will do, from a rather slow (but very cheap) 2400 baud to a top of the range rocket powered 16.8K HST.

Once on-line, pressing X at the menu will bring you to the special SHI BBS, from where you can download the latest anti-virus software. This includes various killers (only up-to-date versions are provided) and plenty of articles and help files.

DABBS keeps you well informed with useful information.

The rest of the board is open for you to explore as well, which means you can get to play all sorts of on-line games, chat with fellow users and download the latest PD. DABBS is also part of the FidoNet system, which means if you live in the Leeds area you should consider becoming a Point to save yourself a lot of time and money. CU

CALL BOX

BBS: DABBS
SYSOP: Steve Dockar
COMMENTS: Amiga board, Safe Hex International site
SPEEDS: 300 - 16.8HST
TIMES: 24 Hours
NUMBER: (0532) 391100

NEXT MONTH

More international networking. Plus, you get the chance to E-mail comments to CU AMIGA.

256 Greyscale Scanners

Amiga Shopper best buy

Total solution for scanning A4 images

Features :- True greyscales, 100-400 dpi, 105mm head, OCR option

Top quality hardware with the latest version of software from Migraph. Allows real time scanning, provides powerful editing/painting features. Compatible (imports/exports) IFF, IMG, PCX, TIFF and MACPAINT formats. Compatible with all Amiga's A500,A500+,A600,A1200,A1500,A2000,A2500,A3000 and A4000

Touch UP, Merge It and Special OCR software.

Minmum system requirement 2Mb RAM, and a Hard Disk

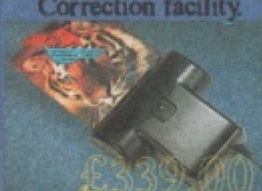
New Low Price Including OCR

£139.00

King of the Scanners Just Amiga Monthly

ALFA COLOUR

256K 18 Bit Colour Scanner for all Amiga Systems. Comes complete with Scanning Software and now with new Colour Correction facility.



£339.00

MIGRAPH COLOURBURST

The new 262,144-Colour Hand Scanner for all Amiga Systems. Comes complete with Scan Kit Software and Junior OCR Software



£399.00

Trackball



GOLD AWARD WINNER IN ST FORMAT 92%

ST REVIEW 91%

Stylish three button trackballs, with third button supporting auto fire and drag and hold

New touch and light two colour shining Crystal Ball

£34.95

Mega Mouse MK II



A new low cost replacement Mouse for all Amiga Systems.
260 Dpi
12 Months Warranty.

£12.95

Auto Mouse/ Joystick Switch



Best Buy CU AMIGA

Automatic Switcher between two input devices with a click of a button.

E.g. mouse/joystick

£12.95

Mega Mouse 400



GOLD AWARD WINNER IN AMIGA FORMAT 90%

A 400 dpi high resolution Opto-Mechanical Mouse. Top quality construction ensures rapid and smooth movement, with micro switch buttons.

93 % Rating AMIGA USER INTERNATIONAL
Best Buy CU AMIGA / AMIGA COMPUTING / AMIGA SHOPPER "Astounding" / JUST AMIGA MONTHLY / AMIGA MART / ACCESS AMIGA

£14.95

Optical Mouse



St Format 81%
Cu Amiga 79%

Superb 300dpi Optical Mouse with effortless micro switch buttons. Fast, smooth and reliable.

Includes Optical Mouse Pad and Holder

£29.95

Optical Pen

A stylish Pen Mouse with quality construction and smooth fast movement. Micro switch buttons. Ideal for DTP, artwork, etc

Includes Optical Pad

£34.95

OKTAGON 2008

SCSI-2- Controller with upto 8 Mb upgradeable RAM for Amiga 2000/3000(T)/4000(T)

The Oktagon 2008 offers comprehensive solution to the most diverse SCSI devices and to the most diverse problems.

£ 129.00

MULTIFACE CARD III

Multi I/O card for Amiga series 1500/2000/2500/3000(T)/4000(T)

The multiface card III expands your AMIGA by adding 2 serial ports and 1 parallel port, which work at the highest possible transfer rate.

£ 129.00

NEW TANDEM CONTROLLER FOR CD-ROM DRIVES WITH IDE INTERFACE.

This is a dual multifunction controller card for the A1500,A2000,A2500,A3000(T) or A4000(T)

The ideal low-cost and one of the cheapest Amiga CD-ROM solution around.

£69.00

MIGRAPH

Full OCR for all Amiga's	£ 49.95
Junior OCR	£ 39.95
Touch Up & Merge It	£ 39.95
Scanning Tray	£ 49.00
Merge It	£ 15.00
Touch Up	£ 35.00
Touch Up Upgrade V3.x	£ 29.00
Upgrade to full OCR	£ 35.00

Only available to Registered users of OCR Junior

ColourBurst Color Scanner with Scan Kit and OCR	£ 399.00

IDE HARD DRIVES FOR AMIGA A500/A500+/1500/2000/3000/4000

with Optional Ram Upgradeable from 0 to 8Mb

Controller Plus 40Mb Hard Disk	£ 179.00
Controller Plus 85Mb Hard Disk	£ 279.00
Controller Plus 120Mb Hard Disk	£ 299.00
Controller Plus 250Mb Hard Disk	£ 329.00

HARD DRIVES FOR AMIGA 600/1200 with IDE Cable.

30 Mb Hard Drive	£ 89.00
65 Mb Hard Drive	£ 149.00
120 Mb Hard Drive	£ 219.00
170 Mb Hard Drive	£ 239.00

Colourful Animal Jungle or Dinasour Design Mouse Mats.

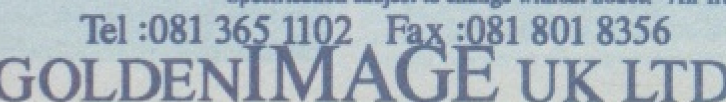


New Soft Mouse Mats £5.00 Only



AVAILABLE FROM ALL GOOD COMPUTER STOCKIST OR CALL US ON TELEPHONE HOTLINE: 081 365 1102.

Please add £3.50 postage and packing to all orders under £100.00 and Orders over £100.00 add £5.00 postage and packing. COURIER CHARGE £10.00. All prices include VAT. GoldenImage accepts payments by Visa, Access, Cheque or postal order. E.&.O.E. Prices subject to change without notice. Goods subject to availability. Specification subject to change without notice. All Trade Marks are Acknowledged.



Tel :081 365 1102 Fax :081 801 8356

Unit 12a, Millmead Business Centre, Millmead Road, London N17 9QU

Exclusive Distributors of Alpha Data Production in the UK

BACK TO BASIC WITH BLITZ BASIC 2





PART 5

BLITZ

If you want to get the low-down on what's hot and what's not in the world of *Blitz Basic 2*, then Jason Holborn is the man with the hottest news, the best tips and the worst possible hair style...

Welcome back to the liveliest and most happening *Blitz Basic* column ever to grace the pages of an Amiga magazine. We started looking at shapes last month, *Blitz Basic*'s answer to AMOS' powerful Bobs (blitter objects). This month, we're ready to take the plunge into some coding.

As you may remember from last month's issue, *Blitz Basic* offers not one but three different methods of blitting shapes onto the screen: Blit, Qblit and Bblit. Each has its own individual strengths and weaknesses which we'll discuss in brief before moving on.

BLIT

This is *Blitz*'s simplest blitting mode. Although it is very fast, it does not keep track of any shapes that are blitted onto the screen, so old shapes have to be manually removed. Blit mode doesn't keep track of the background bitmap either, so the area of the bitmap which a shape is drawn onto will be permanently destroyed.

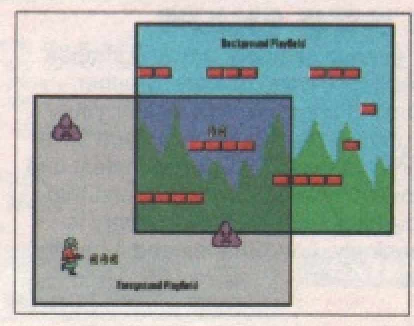
QBLIT

Short for Queued Blit mode, Qblit keeps track of where shapes are drawn and will automatically remove the old shape image when a shape is moved. Once again, however, the background bitmap is not restored when the shape is moved. This blitting mode is best used with a dual playfield display.

BBLIT

Buffered Blit mode offers all the benefits of Qblit mode but with the added advantage of automatic background restoration whenever a shape is moved to a new screen position. However, although it is the best option available, Bblit mode is also the slowest mode.

»



QBlit mode is best suited to games that use a dual playfield display. This is because the blitting commands do not restore the background graphics whenever a shape is moved.

EVEN MORE NEW BLITZ COMMANDS

It's been an exciting month in the world of *Blitz Basic* programming. Not only has the latest issue of Acid Software's newsletter, *BUM* (*Blitz* User Magazine), finally arrived but it has brought a brand new version of *Blitz Basic 2* along with it. This update – version 1.7 – should be of interest to anyone who likes to take advantage of *Blitz*'s excellent support for Intuition, the Amiga's windowing environment, rather than the *Blitz* mode that we've been concentrating on over the past few months. Not only does *Blitz* version 1.7 offer a number of new display commands, but, most interesting of all, there's full support for both GadTools and the ASL requesters offered to Amiga programmers under Workbench 2.0 or above. Here's a quick run – through of the new ASL commands:

```
filename$ = ASLFileRequest$(Title$,
Path$, DefFile$[,Pat$][,X,Y,W,H])
```

Blitz's file requester is a lot better than the one offered by AMOS but it's still not as good as Commodore's which is built into the Amiga operating system. With the addition of the ASLFileRequest() command, however, your *Blitz* programs can take full advantage of this brilliant file requester. Not only does this give you a better file requester, but it'll also help to give your programs a more uniformed and professional look. It does have one disadvantage though – because it uses the ASL library, this command will not work when your program is run on any Amiga that doesn't have at least *Kickstart 2.0*.

The parameters that the command requires are pretty self explanatory: Title$ holds the title string that will be printed along the top of the file requester (Select file to load, for example), Path$ holds the default pathname, DefFile$ holds the default filename, Pat$ (which is optional) holds a selection pattern (#?.IFF, for example, will force the file requester to show only the files that end with .IFF) and the X, Y, W and H parameters allow you to control the position and size of the requester.

```
Font.fontinfo = ASLFontRequest(Flags)
```

With *Blitz* version 1.7 you can add this wonderful Workbench 2.0 screen mode requester to your programs

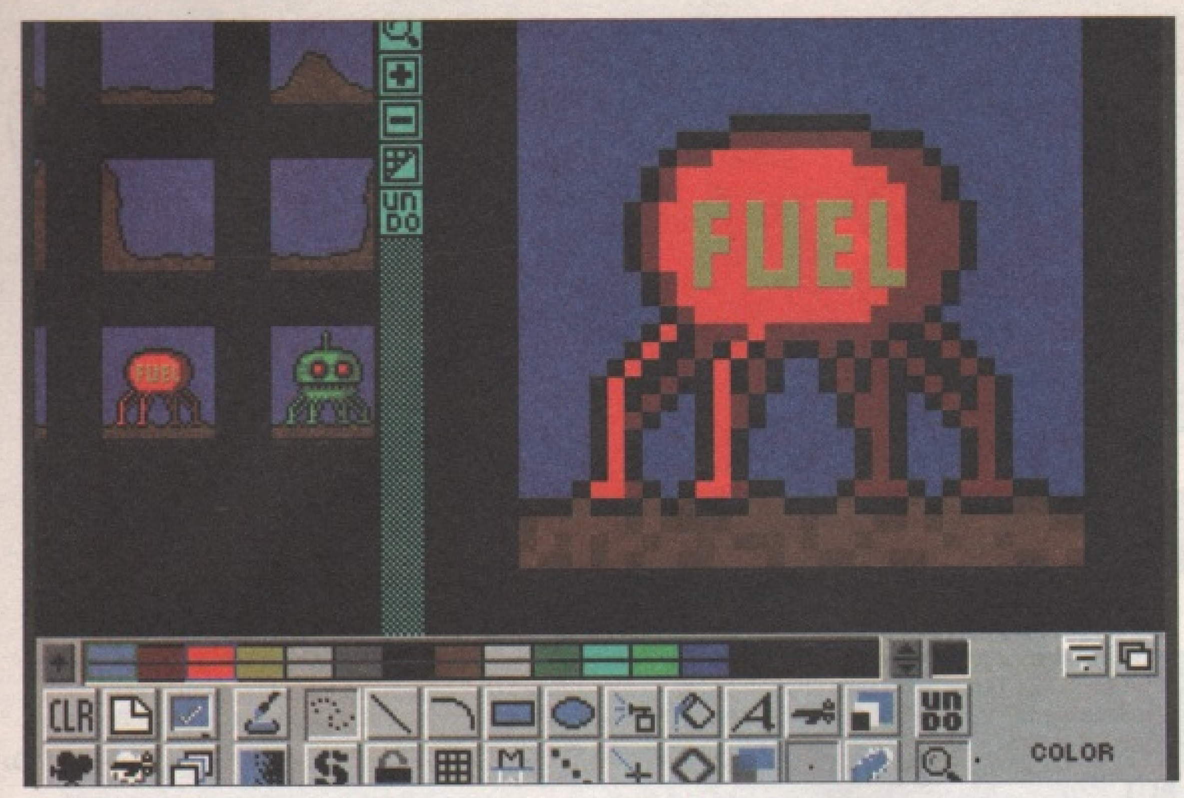
Not surprisingly, the ASLFontRequest() command gives you full access to Commodore's capable font requester which not only automatically handles the complex font structures but even gives you the option of a preview. Which certainly beats asking the user to enter the name of the font, followed by the required point size and then hoping for the best!

The Flags parameter allows you to define what gadgets are made available to the user when the font requester is displayed, eg: the pen number, background colour, style etc. All of this information is passed to the command in the form of a bitpattern, with each bit controlling a particular attribute. Bit one controls the pen attribute, bit two for the background, bit four for the style, bit eight for the drawmode and bit 16 for the fixsize attribute. A value of three, for example, would tell the requester to turn on the pen and background colour control gadgets only (three = bit one+ Bit two). Information on the selected font is returned in the form of a fontinfo structure.

```
*Sc.Screeninfo =
ASLScreenRequest(Flags)
```

With all those lovely new screen modes on offer, it's very hard to write an application that will look good on everyone's systems. Some people like their applications to run in PAL format, others in NTSC, while those lucky enough to own multisync monitors like to be able to take advantage of the AGA Scan doubling modes. With the addition of the ASLScreenRequest() command, however, you can add an option into your software that will allow the user to change your program's screen mode if they so wish. Calling this command will bring up the standard ASL Screen mode requester like the one you see when the ScreenMode Preferences program is run.

Just like the font requester command, this command expects to be fed a flags parameter in the form of a bit pattern too. Bit one turns on (or off) the the screen width gadget, bit two for the height gadget, bit four for the depth, bit eight for overscanning and, finally, bit 16 for scrolling.



Before you can use shapes within your own programs, you'll need to create a shapes file by running an IFF image containing the shape images through the Blitz Shapes editor.

GETTING INTO SHAPE

Before you can even think about drawing shapes onto a *Blitz* screen, you need to start by either loading an existing shapes file from disk or you must manually grab all the shapes you need from a bitmap. Loading a shapes file is the simplest and most straightforward method. The command that you'll need to load a shapes file into memory is called, not surprisingly, LoadShapes and it has the following format.

```
LoadShapes SHAPE[,LASTSHAPE],FILENAME$
```

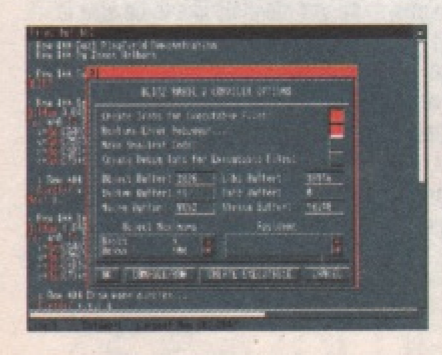
SHAPE

The Shape parameter allows you to specify an offset (a numbered slot into which the shape will be loaded) when loading a shapes file into memory when there are already existing shapes. For example, if you were to simply pass a value of zero, the first shape loaded from disk would be shape 0 and any further shapes loaded from the file would have a shape number that followed on from this first shape. By specifying a shape offset, however, you can load shapes into memory without wiping existing shapes.

Say, for example, you had ten shapes in memory already numbered from 0 to nine and you wanted to load a further set of shapes into memory. You would therefore pass a value of ten indicating that the first shape loaded from disk should be placed at position ten. Simple really.

LASTSHAPE

This optional parameter allows you to restrict the number of shapes that are loaded into memory from a shapes file. Say, for example, you had a shapes file containing 20 shapes but you only wanted to load the first five – all you'd have to do is to pass a value of five and only the first five shapes would be loaded.



Acid Software's *Blitz Basic 2* offers even the greenest of beginners the opportunity to create games of commercial quality.

FILENAME$

Filename tells *Blitz Basic* the filename of your shapes file. Now that we've loaded our shapes into memory, we can start using them. You'll need to create a bitmap and a slice that is capable of displaying your shapes. Once this is done, however, you can blit your shapes onto the screen using one of the three blit modes available. BLIT mode isn't really of that much use if you want to move your shapes around the screen so we'll forget this for the moment and skip straight to QBLIT mode, possibly the most common blitting mode used by games programmers. Although QBLIT mode won't automatically restore the background bitmap whenever a shape is moved, it is still a lot faster than *Blitz's* drawing mode, BBLIT.

Qblit mode works by storing the co-ordinates of each shape that you blit onto the screen in what *Blitz* calls a queue. Before you can make use of a queue, however, you need to create a Queue Object using the imaginatively-named Queue command. Its format is as follows.

```
Queue QUEUENUMBER, MAXITEMS
```

QUEUE NUMBERS

The Queue Number parameter defines the identifier number of the queue which you want to use. Using multiple queues can come in very handy when you wish to move a series of objects at different times.

MAXITEMS

In order for the Queue command to allocate the required amount of RAM, *Blitz* needs to know exactly how many objects you wish the queue to keep track of. If you have 20 shapes, then you should pass a value of 20. With the queue now initialised, you can draw your shapes onto the screen using the *Blitz*'s Qblit command. Its format is as follows.

```
QBlit QUEUE, SHAPE, X, Y [,EXCESS]
```

QUEUE

Not surprisingly, the Queue parameter tells the QBlit command the number of the queue to use when storing the information on the shape being blitted. Remember that any queues that you use with the QBlit command must be initialised first with the Queue command. It's important to make sure that you don't try to store too many shapes into a queue either – if the queue is not large enough, then go back and increase its size.

SHAPE

The Shape parameter tells *Blitz* which shape the QBlit command should blit onto the screen.

X/Y

Not surprisingly, the X and Y parameters define where on the screen the shape is to be placed.

EXCESS

The optional Excess parameter comes in handy when the shape that you are drawing uses less bitplanes than the bitmap it is being drawn into. If you tried to blit such an object into a bitmap that had more bitplanes than the shape itself, the shape's colours would be completely wrong. By making use of the Excess parameter, however, you can instruct Blitz to automatically turn on or off any spare bitplanes.

The Excess parameter should be fed to the QBlit command in the form of a bitpattern with each bit representing an on/off value for the excess bitplanes.

Bit zero of the bitpattern will control the first excess bitplanes, bit 1 the second excess bitplane and so on. Passing a value of zero will turn off all excess bitplanes. CU



QBlit mode is ideal for fast games as it offers a good balance between speed and flexibility.

JARGON BUSTERS

- GADGTOOLS: A quick and easy method of adding Intuition gadgets to programs on the Amiga.
- ASL: This is a library of routines built into the Amiga's operating system on Workbench 2 or better machines which provides the programmer with a set of standard requesters to use within their programs.
- BLIT: This refers to a single operation of the Amiga's blitter chip. If a shape is said to be blitted onto the screen, this means that it has been drawn onto the screen by the blitter rather than by copying bitmap data with the processor.
- BLITPLANE: All Amiga screens are made up of blitplanes. Each blitplane extends the number of colours that a screen can display eg, a single bitplane screen can offer just two colours, an eight bitplane screen offers 256 colours.

NEXT MONTH

Jason Holborn will be showing us how to use the Qblit mode. So be prepared.



Now that you've got a pretty good grasp of the *ARexx* language, it's time to take a plunge into task communications. Dressed in a flak jacket and wellies, Dave Smithson is our man in the field...



So far, our use of *ARexx* has been limited to the sort of jobs that could be handled equally well by any conventional programming language. Calculating VAT, processing strings and adding numbers together – these are all tasks that even the most archaic programming language could do. However, *ARexx* isn't just another programming language designed to add up numbers and process strings etc. Where *ARexx* really scores is its ability to act as a task mediator. *ARexx* may not have the sophistication or speed of languages such as C or Modula-2, but this is one feature that is unique to the *ARexx* language. The term 'task mediator' is rather grand but what does it mean? And why it is so special? If you've been following CU AMIGA's *ARexx* column over the past few months or so, then you may remember that we briefly dipped our toes into the murky waters of task mediation a couple of months back. Although we'll be covering much of the same ground again, it's important that you understand the fundamentals before we get too bogged down in code.

GURU MEDIATION

What task mediation offers the Amiga user is a quick and easy method of automating the operations of any program that supports the *ARexx* language. This unique feature of *ARexx* doesn't really come into its own until you have to perform long, drawn out operations over and over again – converting one hundred GIF format images to 320 by 256, 32 colour IFFs using a program like *Art Department Professional*, for example. If you were to try to convert all those images yourself, you'd soon get very bored indeed. By taking advantage of task mediation, however, *ARexx* allows you to write scripts that take away most, if not all, of the drudgery associated with such tasks, leaving you to do something far more productive (reading the latest issue of CU AMIGA over a cup of coffee, for example).

So how does it work? Well, built into every program that boasts *ARexx* compatibility is what the techies call an *ARexx* port. This port acts as a sort of backdoor into an application that allows *ARexx* to worm its way into the internal workings of a program and then take control over its operations.

How does *ARexx* control an application? Well, all *ARexx* compatible applications have built into them a set of host commands that are hard-wired into that program's functions.

HOST FOR TONIGHT

These host commands provide an alternative method of controlling the operations of an application by allowing you to write an *ARexx* script that tells the application what to do in the form of a list of instructions. Say, for example, you wanted to automate the operations of your image processing program so that it would load in a GIF file and then convert it to a low resolution 32 colour IFF image. Because the image processing program allowed you to control its operations via *ARexx*, you could therefore write an *ARexx* script that did the job automatically. The script might look something like this.

```
/* Dummy Script */

LoadFileFormat "GIF"
LoadImage "MyGIF.GIF"

ScaleImage 320 256

ReduceColours 32

SaveFileFormat "IFF"
SaveImage "MyIFF.IFF"
```

Although the above script is simply a product of my over active imagination, it does demonstrate beautifully how an application can be controlled by an *ARexx* script. If you know your *ARexx* instruction set fairly well, then you'll already know that none of the instructions that the above script uses – LoadFileFormat, ScaleImage etc – are actually part of the *ARexx* command set. That's because they are host commands – ie they are commands built into the program that *ARexx* is controlling. Each command offers an indirect method of accessing a function that would usually be clicked upon or selected by the user via the mouse – the LoadFileFormat command, for example, might change a gadget on the screen that sets the default file format for loading images.

PORTS OF CALL

How does *ARexx* know which program it should be talking to? You could have two image processing programs running simultaneously, so how is *ARexx* to know which program it should be controlling? The answer lies in message ports.

Each and every application that is capable of being controlled by *ARexx* has its own message port that acts as a sort of identifier for that application. These message ports allow *ARexx* to distinguish between one application and another.

It's not a lot different from a telephone network – say, for example, you wanted to order a pizza. Before you could even think about what toppings you'd like (mine's a HAM, pepperoni and pineapple!), you'd need to know the phone number of the pizza delivery company. If you didn't know the pizza company's number, then you couldn't just pick up the phone and expect them to be on the other end of the line. *ARexx* is the same. In order for *ARexx* to control an application, it needs to

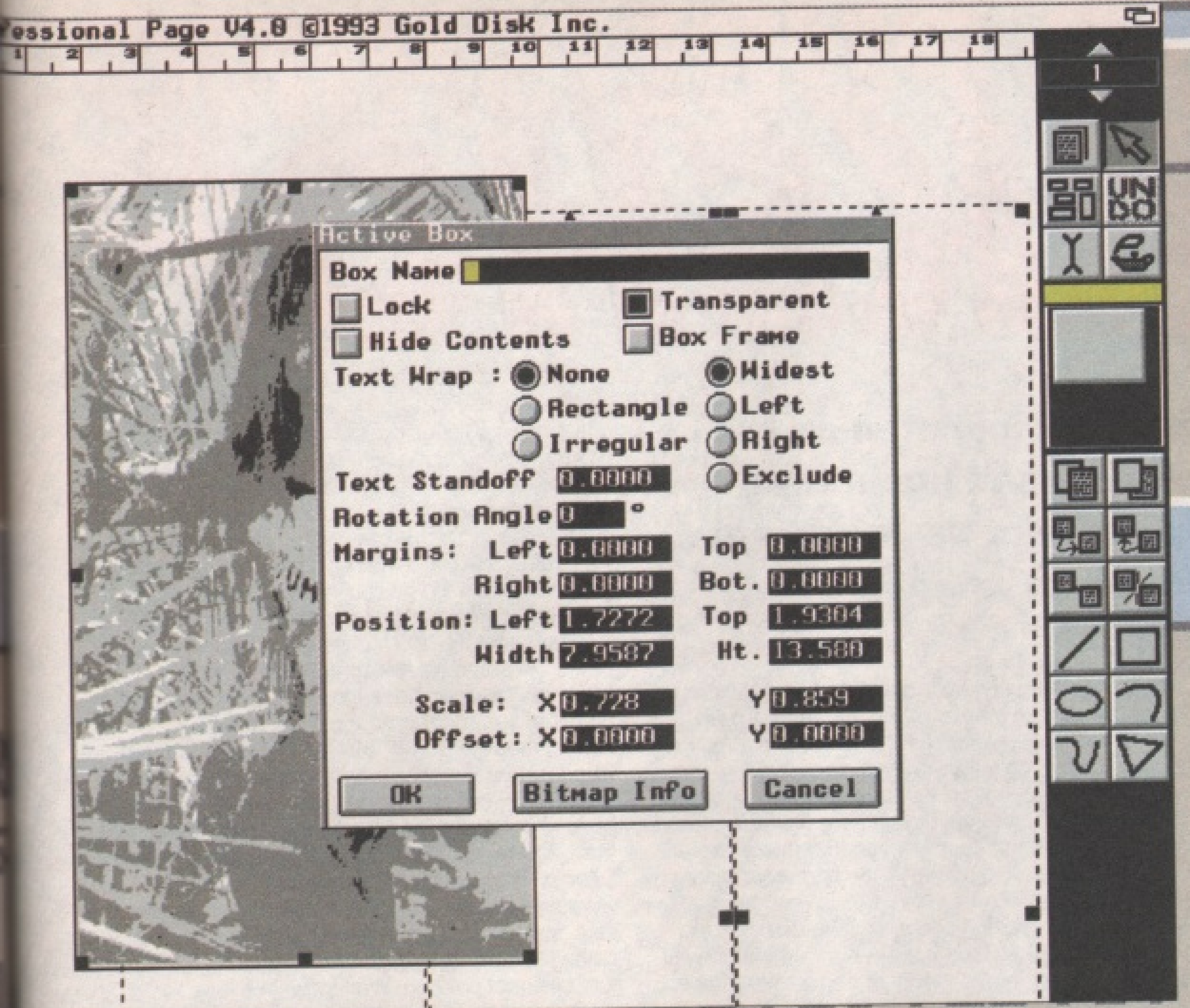
Final Writer
UDT.cu - Main (Body)

/headline
UPPER DISK TOOLS

/strapline
Losing important files on a disk that suddenly decides to kick the bucket can be very frustrating but it need not be fatal. Jason Holborn looks at a program that promises to bring your files back from the dead.

/bodytext
No storage medium is totally fail safe and even in these days of CD-ROMs, high

Final Writer may be the most powerful word processor available for the Amiga, but writing ARexx macros for it can extend its power further.


Gold Disk have gone to great lengths to let people know just how powerful its *ARexx*-based Genies are.

know the name of the application's message port. Once it knows this, it then attempts to establish a link with the application so that it can control it (*ARexx* dials up the application's phone number). If it is unable to establish a communications link (no one is at home – this usually happens because the program has not been loaded), then there's little point in continuing with the script. If a link is made, however, (the application picks up the phone and talks to *ARexx*), *ARexx* can start sending it orders.

Just like a real telephone network, every possible recipient has it's own message port name which allows *ARexx* to distinguish between applications. So, even if you had two image processing programs running simultaneously, the chances of both applications having the same message port name is virtually nil, even if one was a direct rip-off of another. Below is a short list of the message port names of a few of the more popular *ARexx*-compatible applications.

Program	Manufacturer	Port Name
Scala MM200	Scala (UK) Ltd	rexx_ScalaMM
ADPro	ASDG	ADPro
ProPage 4.0	Gold Disk	PPAGEAREXX
Final Writer	Softwood	FinalW.1
TypeSmith	Soft-Logic	TYPESMITH

Even if the documentation supplied with a particular application doesn't tell you the name of the message port associated with that application, it's very easy to find out the message port name using the following short *ARexx* program. All it does is list every message port currently available.

```
/*  List All Message Ports  */

Say "Message Ports...."
Say Show(Ports,,'0a'x)
Exit
```

Once you know the name of the message port for the application you wish to control, you need to establish a link between your *ARexx* script and the application before you can start sending commands. This needs to be done each and every time the script is run. The command to establish a communications link is called Address and it simply expects to be fed the name of the message port enclosed with a set of single brackets (*Address ADPro*, for example).

It may not always be possible for *ARexx* to establish a communications link between *ARexx* and an application and therefore it's vitally important that you check to make sure that the link was successful before your script continues any further. Unfortunately, the Address command doesn't actually provide any method of checking this and therefore you need to use an alternative method that makes use of the Show() function that we used earlier. Say, for example, you wanted to establish a link with a port called CU AMIGA, but you wanted to make sure that the link was possible before proceeding. You could use the following section of code.

```
/*  Check port demo */

exists = Show ('P','CUAmiga')
if exists = 0 then do
    Say "Unable to find message
port..."
    Exit
    End

Address 'CUAmiga'

/* rest of program...*/
```

This uses the Show() function to check whether a message port called CU AMIGA exists. If the port does exist, the Show() function will return a value of one, otherwise a value of zero is returned. This return value is then checked to see whether it contains a value of zero – if it does, an error message is displayed on the screen and execution of the script is terminated. If the return value is one, however, we can assume that the message port is available and therefore we can attempt to make the link with the Address command.

I've spent the last page or two hammering home the fact that you have to open a communications message port to an application before you can send it messages, now, I'm going to contradict myself – you don't always have to open the message port. This sounds silly, I know, but it is possible to issue host commands without opening the host message port first if the script is run from within the host itself. When this happens, the *ARexx* program ceases to be an *ARexx* script and suddenly becomes an *ARexx* macro. Because the script is run from within the application itself, the host message port is already available – a good example of this is *Professional Page* or even ASDG's *Art Department Professional*.

It is possible to communicate with *AmigaDOS* through a message port too by making use of the Command host. Say, for example, you wanted to launch an application from within your script (an *ARexx*-based menu program, for example) or just run a DOS command – all you'd have to do is to open a communications message port with AmigaDOS using the following line.

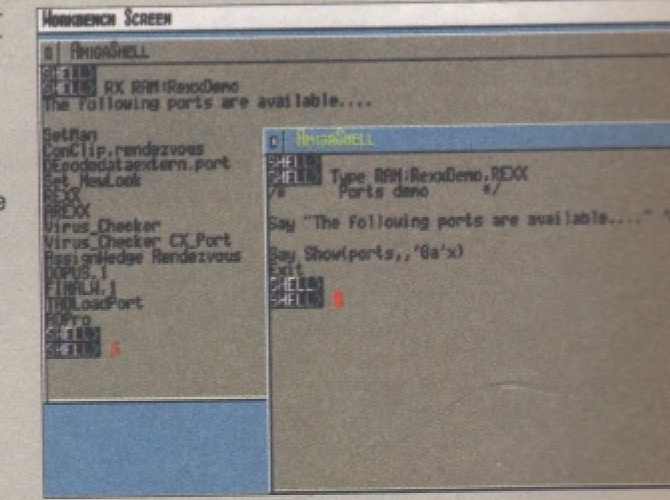
```
Address Command
```

It's worth noting that the Command bit doesn't have a set of single quote symbols surrounding it, unlike a normal message port name. If you do add them, *ARexx* will be unable to access AmigaDOS. Once you've done this, you can run AmigaDOS commands simply by enclosing them within speech marks. Give this listing a whirl.

```
/*  Command Demo  */

Address Command

Say "Enter pathname to view"
Pull PATHNAME
"Dir" PATHNAME
Exit
```


In order for an *ARexx* script to communicate with an application, you must first open a link to that application through its message port.

NEXT MONTH

We put all the theory we've learned into practice by writing an *Arexx* script to control ADPro.

DESKTOP PUBLISHING WORKSHOP

PART 2

Desktop publishing was invented on the Macintosh. But this doesn't mean that desktop publishing cannot be done to just as high a standard on an Amiga. John Dodds explains.



Page make-up in 256 colours is not the fastest way to do it, even on an A4000/040. You would be better advised to work in 2 or 16 colours, flipping to 256 only when you feel the need to check a particular colour.

The Amiga has both the hardware and the software to desktop publish anything, but the more adventurous your ambitions, the more money you will need to spend. Last month, we covered printers and and bureaus. This month we conclude our desktop publishing tutorial by looking at memory requirements, scanners, graphic boards, publishing packages and monitors.

Producing the type of extremely high-quality PostScript output that is needed for professional printing and publishing can tie up the computer for literally hours per page, so to start with, you need a very fast computer unless you want to turn those hours into days. That means an A4000/040, A4000/030 or A3000. Professional equipment like SCSI hard drives, removable hard drives, lotsa-memory boards, scanners and graphics boards will also be needed, so you'll want an easily expandable Amiga. An A1200 with an accelerator in it may give you speed, but not expandability.

MEMORY REQUIREMENTS

After the computer, the next two most important items are storage and memory. It's easy to think that a 200Mb or 300Mb hard drive will be big enough but if you are planning to produce full-colour publications that contain 24-bit photographic images, the four PostScript separation files for a single page can easily total 40Mb-50Mb in size. You should be thinking in gigabytes for storage space, not megabytes. Similarly, while 10Mb might sound like more memory than any program will ever need, a full-colour A4 page that contains a couple of true colour (24-bit) photographic images might require even more than this. It is possible to use virtual memory (using the hard drive as pseudo RAM), but keep in mind that this will slow down the operating speed of the computer quite considerably and may very well prove to be a false economy. Recently, I spent a whole day on a job that should have taken half-an-hour – I had to wait 10-15 minutes for the virtual memory to organise itself every time I made a slight change to what I was doing.

Virtual memory has its uses and is a much cheaper way to gain enormous amounts of extra memory, but for large jobs, it could cost you in time what you have saved in money. Miss that deadline and you may have lost a client. For professional work with true colour images, 64Mb of memory should be enough to get on with, but at the very least you should expand to 32Mb.

GRAPHICS

Working with true colour images can be tricky if you don't have facilities to view them. It's all well and good converting from a possible 16.8 million colours to HAM-8 or 256 colours in order to view them, but as good as these images may appear to be on the screen, the colours you are looking at will not be the same as those in the final true colour image. So, really you need a 24-bit graphics board. There are stacks of Amiga graphics boards to choose from, but the the two that are currently most useful to desktop publishers, and, funnily enough, also happen to be the cheapest, are *Retina* and *Picasso II*. There is not a lot to choose between them. *Retina* carries more video RAM than *Picasso II*, which means that it can view larger images and use higher resolutions in 16.8 million colours than *Picasso II*. *Picasso II*, on the other hand, is a slicker product and much easier to set up and use with one monitor.

MONITORS

Ah, yes. Monitors. *Multiscan* is a must as it can display the Amiga's high quality screen modes. For best compatibility you need one that scans from the Amiga's 15.6KHz horizontal frequency right up to at least 35KHz. There are one or two obvious and cheap solutions, the Commodore 1942 or 1960, for example, or the Microvitec CubScan. But these are not ideal. Really, you need a bigger display, and one that is as flat as possible so that straight lines down the edge of the screen remain straight, instead of curving slightly. One of the most attractive Amiga-compatible multiscan monitors around at the moment is the Idek MF-5017. It scans horizontally from 15.5kHz to 40kHz, has a reasonable .31 dot pitch, and a 17in display that can comfortably manage 1,024 by 768 pixels. It costs about £850.

The Idek MF-8217, however, is better value at £800. This model's horizontal scan frequency starts at 30kHz and rises to 65kHz, and although it does not support the Amiga's low resolution screen modes, the MF-8217 is perfect if you are using it in conjunction with a graphics card like *Retina* or *Picasso II*. It too has a 17inch display, but its 28 dot pitch and higher sync rates mean that the 1,280 by 1,024 dot pitch maximum screen resolution is still perfectly viewable. Thanks to a wonderful set of controls with 43 programmable presets, stacks of screen modes can be set-up without having to continually twiddle knobs to adjust the picture size and position. Working with a less expensive monitor is certainly possible, but if you spend a week with one of these larger, high-quality displays, I think you'd soon see how it can enable you to desktop publish faster. The main advantage is that you can work with most or all of the page on the screen without having to squint at the letters or zoom in to make adjustments.

SCANNERS

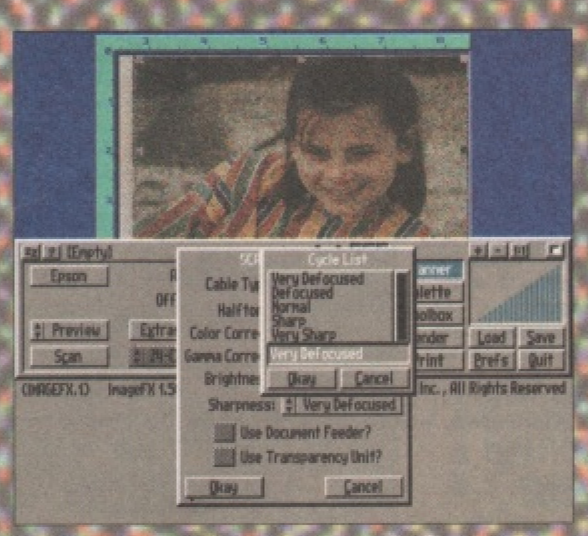
Getting true colour images into the computer requires a scanner. Professional drum scanners

CHOICES, CHOICES

You want a word processor for your publishing program, but which one? The three main publishing programs, *PageStream*, *PageSetter* and *Professional Page*, come with or have the option of a dedicated word processor that enables you to tap out your text quickly without the worry of having to format it.

The word processor that comes with *Professional Page* and *PageSetter* is called the Article Editor, or AE for short, and is a version of Gold Disk's *TransWrite*. AE can be used from within *Professional Page* and *PageSetter* or on its own. *PageStream* does not have a word processor included as standard, but if you buy Soft-Logik's *Hotlinks* package you get *PageLiner*, a word processor that is dedicated to working with *PageStream* and even includes facilities to use style tags. It too can be used on its own, but like AE does not have a print facility.

Should you want to prepare your text using a word processor that displays the text in a WYSIWYG format, be warned that doing it this way really is pushing the barrow uphill. This type of word processor – examples of which are *Wordworth 2* and *Final Copy II* – are much slower than the non-WYSIWYG word processors like *Protext* and *TransWrite*, and tend to let the look of the page get in the way of the writing.



Of the Amiga software available for the Epson GT-6500 flat-bed scanner, only the driver that comes with *ImageFX* supports the 6500's new and enhanced features.

are way beyond the average desktop publisher's budget, but flat-bed scanners, which have improved enormously in quality this year, have plummeted in price and are now very affordable indeed. The Epson GT-6500 flat-bed is a perfect example. Barely 12 months ago the GT-6000 model cost over £1,000, was a little slow and lacked certain features required by professionals. Now redesigned and rebadged as the GT-6500, it costs £700, is much faster and includes the all important sharpen/defocus feature.

Currently, the only scanning software that supports the enhanced features of the GT-6500, including the optional transparency unit and document feeder, is the Epson scanner driver that comes with GVP's Image FX version 1.5. ASDG and Black Belt Systems also have Epson scanner software to go with *ADPro* and *Imagemaster*, but these drivers were written for the earlier GT-6000 and lack support for the new features.

Scanning in true colour is another of those jobs that requires a fast Amiga, a large hard disk and lots and lots of memory. A typical 6in by 4in photograph scanned at 300 dots per inch would require almost 6.5Mb of memory to hold the 24-bit true colour data. If the software works in 32 bits, 8.5Mb will be required. GVP's *ImageFX* software has a built-in data-catching system which uses the hard drive when you run out of memory, just like virtual memory does. While this artificially increases the memory capacity of your system for image data, it will slow the scanning process down considerably, just like virtual memory does. So I wasn't joking earlier when I recommended a minimum of 32Mb of memory.

PRINTERS

When the work is finished it's likely that your clients will want to see some colour proofs. There's no need to spend a fortune on this. Rough proofs from a colour inkjet like Hewlett-Packard's DeskJet 550C or Canon's new BJC-600, both of which cost about £700, will normally keep your client happy. If the work is A3 you can always reduce and rotate to A4 or smaller. If the job involves a lot of money then the client might want to see something better. And for your own peace of mind, you might want to see something better yourself.

Nothing less than a dye sublimation PostScript printer will do for true colour graphics art proofs. Such devices cost upwards of £7,500, and even then the colour accuracy is not 100%. If you can't afford or justify spending this kind of money then you can use a repro bureau – prices vary, so shop around. A lot of repro bureaus will offer free proofs if you give them the job of producing the films. The best place to see repro bureaus advertised is in Macintosh and graphic design magazines like *XYZ*.

If you want to give a firm of printers a colour proof and say, "I want a guarantee that it will look like this when it is printed" – a contract proof as it is known – output from a dye sublimation printer will not be acceptable. You will need something called a Cromalin, and the total cost of producing a single A4 Cromalin will be around £100-£150. Again, prices will vary depending on the complexity of the job and on how much business you put the repro bureau's way (look for cash discounts).

For general proofing to check for literals and layout, the most convenient device is a mono laser printer, but a much less expensive mono inkjet or bubble jet printer may serve your needs just as well.

PUBLISHING PACKAGES

Amiga desktop publishing software is about to take a giant leap forward. The technical specifications for Soft-Logik's *PageStream 3* are higher than for any other publishing software on any platform. Colour matching software for *ADPro* and the Epson scanner is soon to be available, and the likes of *ImageFX* and *Imagemaster*, and even Brilliance to a certain degree, are giving Amiga publishers true colour retouching and processing power that is every bit as powerful as similar packages on other platforms.

It might be a pipe dream that the Amiga and its software will become a new DTP standard, the Macintosh seems to be too deeply entrenched in the publishing and repro houses for that to happen, but it does look like the Amiga and its software will soon to be able to publish more quickly and to a higher standard than anything else, which could bring professional Amiga desktop publishers new clients by the busload. CU

JARGON BUSTERS

- **9-PIN/24-PIN PRINTER:** A low quality output device that strikes wire pins onto an inked ribbon in order to make marks on paper.
- **CMYK:** cyan, magenta, yellow, black; the four colours from which all the other colours in full colour publishing are created.
- **DPI:** dots per inch.
- **DYE SUBLIMATION:** A method of thermal transfer printing that melts coloured wax on to paper to print up to 16.8 million true colours and so produce rich, continuous tone, photographic-quality images.
- **FULL COLOUR:** material published using the four-colour CMYK printing process.
- **KHZ:** kilohertz, a unit used for measuring frequencies.
- **MB:** megabyte, a unit used for the measurement of memory/storage capacity.
- **MULTISCAN MONITOR:** a monitor that can work with a wide range of input frequencies. Often wrongly referred to as Multisync, which is actually a trade name like Hoover or Sellotape.
- **POSTSCRIPT:** a page description language that has become the standard for desktop publishing.
- **REPRO:** short for reproduction.
- **TRUE COLOUR:** 24-bit, 16.8 million colours.

SCINTILLATING SCANNERS

Scanners come in all shapes and sizes. To achieve professional quality results as cheaply as possible, there is only one type of scanner worth considering – the 24-bit flat-bed. On the Amiga the best choice is the Epson GT-6500 as there are a number of programs that support it with suitable drivers. The results obtained with the GT-6500 are better than with some rival flat-bed scanners that cost two or three times as much.

It is worth remembering that if you have only the occasional need to scan images then a bureau should be able to do it for you. There are drawbacks, most notably transporting the images between the bureau's scanner and your Amiga because the file size of scanned images can become very large, much larger than will fit on to a floppy disk. Bureaus usually charge about a tenner per scan, less for bulk orders.

If your requirements are not that exacting and the subject material is non-photographic, a monochrome hand scanner may suit your needs. These are good for line art, images like logos and cartoons, and although you can scan photographs with a monochrome scanner, don't expect the quality to be anywhere near as good as those you see in the magazine you are reading now. There are two good choices of mono scanner, the AlfaData Plus with the excellent Touch-Up software, or the PowerMono Scanner.

Quality-wise, colour hand scanners fall somewhere between the mono hand scanner and the 24-bit flat-bed. There are currently three options, with the lowest priced being the PowerColour, which is a 12-bit scanner. The results from it are not that different from the other two, the AlfaColor and Migraph's ColorBurst, which are 18-bit scanners. None of these will give you photo-realistic results.

There is no PowerColour model for the Amiga 1200 at the moment which means 1200 owners will need to choose between the ColorBurst and the AlfaColor. ColorBurst produces the better colour images and has the most stable software, but it also costs more. ColorBurst also includes an optical character recognition program for converting scanned text into a form that your word processor can edit. It's also worth noting that colour hand scanners will produce better scans of mono photographs than you would get from a monochrome scanner. This is because colour hand scanners have a greyscale mode that scans in 64 true shades of grey instead of being dithered or anti-aliased as the monochrome scanners do to achieve levels of grey.

24-bit flat-bed scanners are the best scanners for achieving professional quality results at a good price.

FOR THE BEST & VERY LATEST AMIGA



Public Domain Call "Visage Computers" We Will Not Be Beaten On Speed &Service All Our Public Domain Is Copied Onto Branded Disks Which Are 100% Error Free Orders Taken Monday -Saturday 9am-5.30pm Key()= Number Of Disks Plesase Note. This Is Only A Small Selection Of Our Pd Libvrary We Have New PD Arriving Everyday"Call For Latest Titles"

When Ordering By Post Please Make Cheques, With Bankers Card Number Of Postal Order Payable To "Visage Computers"

DEMOS

1. **Lymex Projects** - Wind it up.Excellent Rave Demo
3. **Virtual Dreams** - Full moon "AGA"
4. **Rage** - Maximum overdrive
5 .**COMPLEX**--Origin "AGA" (2 Disks) Now Works From Floppies (AGA)
6.**Rednex**- Emptyhead "AGA"
7.**Sanity-Arte**. Cool Demo.
8. **Spaceballs**-9 Fingers. Miss This At Your Peril.(2Disks)
9.**Noxious**- Beyond Belief "AGA"
10. **Old Bulls/Tilt**--Impulse 2 (2 Disks)
11. **Rayworld**-- Cool "AGA" Demo (3 Disks)
12. **Nova**--Sorry."AGA"
13. **Lemon** --Pikpatonos 11."AGA" (6 Disks H.Drive only)
14. **Rage**--Neural Assault
15.**Fairlight**--242 (CU AMIGA RATED 90%)
16. **Lemon** --Groovy.
17 **Lemon--Rink-A Dink** (A500 Only)
18. **Team Hoi**-Latest "AGA" Extravaganza(3 Disks)cert 18
19. **PGMY DESIGN**. -Extension CU Amiga Rated 88%
20. **LSD-Jesus On E's**(Now fully "AGA"+680*0 comp).2 disks
21. **Kefrens**--Desert Dream Absoulutely Brilliant(2 Disks)
22. **Kefrens**--Interchange "AGA".
23. **Mad Elks.** --Technological Death. Rave Rave Rave
24. **FLYING COWS**-Prosaik.
25.**XANADU**-Really Good-"AGA" Demo
26. **ARISE**- Chanel 5 "AGA".
27. **Sanity**-Booglepop
28. **Scoopex**--Phaq
29. **Melon**-Crayon Chinchan
30.**Melon**-- Romantic Demo
31. **The Sh**S.** --Jesus On Cheese "Fast Mem Req"
32.**The Essential Collection** 001- 010- The Ver y Best Demos And Intros
33.**Vomit** -World of Confusion
34. **Rage**-- Alchemy (2 Disks)
35. Union-- Hallucination & Dreams (2 Disks)]
36. SPACEBALLS--Classic Rave Music DDemo
37. ACCESS--Thier First "AGA" Demo
38. CADAVER-- Marianne Demo.

UTILITIES

1.D Copy 3.1- Best Pd Copier Available
2.N Comm V3--Excellent Comm Package
3. Relokick 1.3 --Essential For K52 Users
4. Relokick 1.4-- AGA turns CPU Cache Off
5. P C Task V2 O3 -- Needs Dos Disk
6. Text Engine V4.1
7. V Morph V2. 03 --PD Morphing Package
8. North C -- C Complier (2Disks)
9. C Manual -- Complete Tutorial (12 Disks)
10. Protracker V3.15 --Latest Version
11. Octamed V2. 0--Latest PD Release
12.A Back Up V.4 03
13.Freeform3dDemo.CoolRaytracerWithAmigaGuide
14. Snoopy Dos V1 .5-- Monitors Systems Calls
15. Trashm 1--Excellent Assembler . 680*0
16.Big Anim V3.5 --Lets You Play Huge Animations From HD
17.Filemaster v2..2 -Really Good Directory Utility
18. LSD --Kend's Spectrum Emulators Game Collection
19. Protext 6 Demo --Try Out This Demo Before You Buy
20. Virus Checker V6 33 -- Latest Version
21. DisksaLv V1 1. 28-- (REQKS2
22. AIBB V6. 55--System Performance Evaluation utility
23.Crunchmania V1.9 --- Cool Cruncher
24.Videotracker-ThiswipesTheFloorWithRSIDemo Creator(5Disks)
25. AGA Utils -Three Disks Filled With Essential AGA Utilities
26. v2 emulator --Emulates K52 (A 500 Only)
27. Messysid V2 --Converts PC To Amiga Files.
28.Fake Fast Me mory- -Turns Chip In Fast Memory
29. 600 Business Letters
30. Magic Work Bench
31.Next Generation Work bench (2 Disks)
32. ENGINEER PRO --Ripper Disassembler (Top Tool)
33.Action Replay Pro---Fully Supports A4000,030,040.
34.Snoopy Dos v1.5--Monitors Systems Calls
35.EPU --Hard Disk Expander Works Invisibily
36.Procad V1.00--Excellent PCB Designer
37.Super Duper--Multitasking Disk Copier (Req K52+)
38.Simbug --Really Cool Low Lever debugger.
39.-600 Business Letters

ART

1 **3 WAYS TO STOP SMOKING** "1.5 MB REQ"
2 **ERIC SHWARTZ** -- Quality Time "5 MB REQ(4Disks)
3 **ERIC SHWARTZ** -- Bait Masking "2 MB REQ"
4 **CRYPTOBURNERS**---Revelations
5 **BEYOND FORCE**-Hajime Sorayama Slide show(2 Disks)
6**CRAIG COLLINS**-Last Stand On Hoth "3 MB REQ" (4Disks)
7**COMAX** --World Of Manga "AGA" (4 Disks)
8 **SPENDER** --Alone In The Dark(9 Disks)7MEG REQ
9**CLIP ART**-We Have Megabytes Of Clipart Too Many To List "Call"
10.**NFA**--Bodyshop 4 "AGA" (2 Disks)

MUSIC

1 **TROJAN**-- Techno TRAX 2
2 **HAKKIHI**-- Unlimited Hardcore Sound
3 **THUNDERDOME 3** --Hardcore Rave
4 **PARANOID** --Master Hits Volume 1
5 **BIOMECHANOID** --Symphony 1.Ambient Dude
6 **MUFFBUSTERS** --Sidmania 1.Conversion
7 **DESIRE** --Evolution
8 **RAMJAM**-Tekno Merda.Wierd Italian Tekno (18+ only)
9 **PARTY 3 MODULES**--We 3 Disks Of Winners And Runners Up (3 Disks)
10 **DIGITAL** --Extemporized . This Is Some Of The Best music On The Amiga
11 **ANATHEMA**--4 Chanel Heaven . Cool
12**ANDROMEA** --Seven Seas .The latest From Andromia
13**SANITY** --CLI Disk With The Best Of "Jesters " Music
14 **SPACEBALLS/NOISELESS**--Dizzy Tunes 11 (3 Disks)

OTHER STUFF

Fred Fish-- 1-950
LSD Legal Tools-1-149
Assassins Games--1-160
LSD Grapevine Disk Magazine Issue 18
(3 disks)

TO ORDER PHONE

0602 444 501

Or Send Cheques/P.O To

"Visage Computers"
18 Station Rd
Ilkeston Derbyshire
DE7 SLD

ACCESSORIES

Precision 3.5" DS/DD ..10	4.99
Precision 3.5 " DS/DD..50	22.50
Precision 3.5 " DS/DD..100	41.00
Mousemat	2.99
Amigas Dust Covers	4.99
50 Capacity Storage Box	3.50
100 Capacity Storage Box	4.99
Roll Of Disk Labels 1000	7.99

*Software & Hardware Also Available Call For Latest Prices

DISK PRICES AND POSTAL RATES

NO OF DISKS	PRICE PER DISK	P&P
1-110	£1	£1
11-25	95p	£1.25
26+	90p	£1.50



Sponsored by

AMIGA COMPUTING

AND

GASTEINER TECHNOLOGIES

Spotlight '94 will provide visitors with demonstrations of software and hardware configurations and permit them to ask questions about many products directly to experts in the field. The show will also offer a wide range of hardware and software bargains, many items at substantially reduced prices.

Discover the world of Amiga and Atari with the following top name companies:

- Hi-Soft
- Meridian Software
- Weekend Developments
- 16/32
- Power Computing
- Computronics
- Gasteiner
- Marpet
- Antic Systems
- 1st Computer Centre
- Alfa Data (Benelux)
- Golden Image
- Europress Enterprise
- I Microvitec
- BSC (Germany)
- Broadville Computers

TICKETS: £5.00 ON THE DOOR £3.50 IN ADVANCE
Order your advance tickets on the ticket Hotline or fill in the coupon below

TICKET HOTLINE: 081-345 6573

Novotel Hotel Exhibition Centre
Hammersmith, London
28th & 29th May, 1994
10am – 6pm
its the only place to be!

Send to: GASTEINER
126 Fore Street
Upper Edmonton
London
NX18 2AX

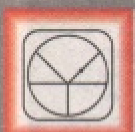
I require ______advance tickets @ £3.50 each
I enclose £______
Name ______
Address______

Payment

☐ Cheque/P.O. ☐ Credit card: ☐ Access ☐ Visa

No: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ Expiry date: ☐☐☐☐

Date: ☐☐☐☐ Signature: ....



Ladbroke Computing

33 Ormskirk Rd, Preston, Lancs, PR1 2QP

Ladbroke Computing International are one of the longest established home computer dealers in the U.K. We have developed an extensive customer service policy which involves testing of all hardware prior to despatch to ensure that goods arrive in working order, offering free advice and support over the phone and keeping customers informed. Although our prices are not always the cheapest we do endeavour to offer consistently good service and backup.

All prices/specifications are correct at copy date 24/1/94 (while stocks last), and are subject to change without prior notice. All prices include VAT but exclude delivery.

How to Pay
You can order by mail Cheques/Postal Orders made payable to Ladbroke Computing. Or give your credit card details over the phone.

Delivery
Postal delivery is available on small items under £40 (Normally £3, phone for details). Add £7 for courier delivery. Next working day delivery on mainland UK subject to stock (£20 for Saturday delivery).

Open Mon-Sat 9.30am to 5.00pm.
Ladbroke Computing Ltd trading as Ladbroke Computing International.

Fax: (0772) 561071
Tel: 9am-5.30pm (5 Lines)
(0772) 203166

Printers



Star

Star LC100 Colour	£149.99
Star LC24/100 Mono	£179.00
Star LC24/30 Colour	£249.00

- Built in 55 sheet feeder
- 24 Pin Colour

Starjet SJ48 Bubblejet	£210.00
Star SJ144	£459.00

- Thermal max transfer colour printer
- 144 element head
- Glossy colour output
- 360 dpi resolution

Citizen

Citizen Swift 240 Colour	£270.00
Citizen Project	£209.00

Hewlett Packard

HP Deskjet 510	£309.00
HP Deskjet 500 Colour	£389.00
HP Deskjet 310	£239.99

Lasers

Ricoh LP1200	£699.00

Add £3 for Centronics cable and £7 for next working day courier delivery.

GVP II Hard Drives



- Quantum SCSI Hard drive
- Ultra fast 11ms access
- Up to 8Mb RAM on board
- 2 year warranty

SPECIAL OFFER

170MB NO RAM £349

240MB NO RAM £399

2Mb SIMM Upgrade	£59.99
4Mb SIMM Upgrade	£119.99

GVP 286 Emulator

- 16MHz 286 PC Emulator
- Norton rating 15
- Plugs into GVP II HD

GVP PC-286 Emulator £89.00

Legend Trakball

- Ergonomic design
- 320 dpi resolution
- Easy to use
- **Microswitch buttons**

ONLY £29.99

GVP Genlock

- Video processor provides real time software control of brightness, contrast, saturation, hue, sharpness, filtering, gain etc.
- Audio processor with two audio inputs, software switchable or mixable, with software control of Volume, Bass and Treble effects.

G-Lock Genlock £284.00

A1200 Hard Drives

Plugs into PCMCIA slot
Fully external, doesn't affect warranty

170Mb Overdrive £349.99

Phone for higher capacities.

Amiga Packs

Amiga A600 Lemmings Pack £184.99
Includes A600 with 1Mb RAM, Lemmings

A1200 Race & Chase £289.99
Includes A1200 with 2Mb RAM. Trolls and Nigel Mansell

A1200 Desktop Dynamite £339.99
Includes A1200 with 2Mb RAM, Digita Wordworth, Digita print manager, Deluxe Paint IV, Dennis, Oscar

Amiga CD32 £289.99
2Mb RAM. Dual Speed CD ROM. Multi session, plays music CD's, 256000 colours on screen, includes 2 games Oscar and Diggers.

Amiga 4000 030 £999.00
Includes A4000, 030 processor, 2Mb Chip RAM, 80Mb Hard drive.

Eklipse Mouse

- 290dpi resolution
- 2 Microswitched buttons
- Opto/Mechanical mechanism
- Switchable between Amiga/ST
- Direct Mouse Replacement

Eklipse Mouse £11.99

Floppy Drives

- 880K formatted capacity
- Double sided, Double density
- Through port

Cumana CAX 354	£54.99
Amiga 500 internal drive	£49.99

RAM Upgrades

A500 512K upgrade £14.99

A500+ 1Mb upgrade £19.99

A600 1Mb no clock £29.99

Plugs straight into A600 trap door compatible with A600, A600HD

A1230 Accelerator

- 40MHz 68030 accelerator
- Makes your Amiga 1200 run over 7 times quicker.
- Allows up to 32Mb RAM
- Optional FPU

A1230/0Mb/No FPU	£289.00
A1230/4Mb/No FPU	£429.00
A1230/4Mb/68882 FPU	£529.00

Monitors



Samsung C13352X £179.99
14" SCART input TV with remote control and on screen display (requires SCART cable for high quality display)

Commodore 1085S £189.99
Commodore Colour Stereo Monitor including cable

Microvitech 1440 £399.99
The Microvitec 1440 is a multisync monitor compatible with the A1200. Includes setup memory for different resolutions.

Colour SVGA Monitor £229.99
High quality Colour SVGA Monitor .28 dot pitch.

A1200 VGA adaptor	£14.99
Falcon VGA Adaptor	£9.99
Philips SCART to Amiga	£9.99
8833 MKII to Amiga	£9.99

Falcon 030

- 16MHz 32 bit 68030 Central Processor, 16MHz Blitter, 32MHz 56001 Digital Signal Processor
- 1.44Mb 3.5" Floppy, up to 14Mb RAM. Displays 65536 colours from 262144 palette
- 8 Channel, 16 bit, high quality Stereo sound sampling

FALCON 1Mb No HD	£499.00
FALCON 4Mb No HD	£699.00
FALCON 4Mb 64Mb HD	£799.00
FALCON 4Mb 127Mb HD	£899.00
FALCON 4Mb 209Mb HD	£999.00
Falcon Screen Blaster	£89.00

Repair Services

Our Service department can repair Amiga's in minimum time at competitive rates. We can arrange for courier pickup and return delivery of your machine to ensure it's safety. We even have a same day service which will ensure your machine is given priority and subject to fault, completed the same day. We offer a Quotation service for £15 for which we will examine your machine and report back with an exact price for repair. If you do not wish to go ahead with the repairs then just pay the £15. However if you do go ahead then the charge is included in the minimum charge. Please note: The minimum charge covers labour, parts are extra.

Quotation service	£15.00
Min repair charge	£35.25
Courier Pickup	£11.00
Courier Return	£7.00
Same day service	£15.00

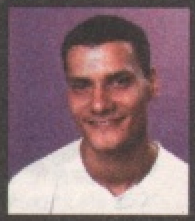


The Q&A team sift through the detritus of reader's letters to bring you the facts on all your questions and problems.

HERE THEY ARE FOLKS - THE Q&A TEAM



JOHN KENNEDY
Joined to an Amiga at birth, what John doesn't know about the Amiga can fill a matchbox.



MAT BROOMFIELD
What Mat doesn't know about match-boxes can fill an Amiga – his fave machine.

A600 EXPANSION



I want to buy an A1200 and sell my A600. However, it's rumoured that M-Tec have accelerator boards called 68020i and 68030MMU for the A600. Is this true, and if so what kind of speed increase will this give me?

I own a Commodore 1084 colour monitor, if I buy an A1200 will this monitor be adequate? I have heard that the A1200 supports flicker-free interlace screens and that the 1084 does not – will this be the only problem?
T.S. Nielsen, Lang, Denmark.

It's impossible to say how much faster the (rumoured) accelerator card would go because you don't mention the clock speed. 14MHz? 25MHz? 33MHz? 50MHz? It makes a big difference, but even a 14MHz 68020 will run at least twice as fast as the A600.

As long as you don't use the new flicker-free DoublePAL, DoubleNTSC, Super72 or Multiscan productivity screen modes the 1084 will continue to give a clear crisp image.

CDTV REVELATIONS



In the February issue of CU AMIGA you said you couldn't upgrade a CDTV to *Kickstart 2.04*. Well you can, but first you need to fit a switch to turn off the CD-ROM.

By the way, turning off the CD-ROM allows you to load a lot more programs than normal. In fact, *Humans* is the only incompatible game. The only down side to turning the CD-ROM drive off is that it disables the SCSI interface so you would have to turn it on again if you were going to fit a hard drive.
John Alfred, Hyde, Cheshire.

What we hoped to imply in the February issue of CU AMIGA was that you could fit the 2.04 ROMS to a CDTV, but as they didn't include the CD-ROM code there wasn't really much benefit. You might as well have bought an A600 or A500Plus.

Turning off the CD-ROM drive can actually be done with software alone (check your local PD library for *cdoff* and *cdon* written by Almathera guru Jolyon Ralph).

The CDTV doesn't come with a SCSI interface as standard so I don't know how it could be switched off.

GIVE IT A BOOT



Please, please help me. I have been trying for weeks and weeks now to make a boot-block on a blank disk so I that can make a stand-alone disk. To attempt this I have been following a guide from another magazine and have got to the point where I have to use a small program called VILBM. Can you tell me where I can find this?
Martin Bell, Stoke-on-Trent.

I know that it's easy to pick up other magazines by mistake, what with the covers all being identical and everything (ahem!). In fact, I've heard that certain other Amiga magazines are going to try a red cover as well to see if that will boost their flagging sales.

In the meantime, I'm not really sure what use VILBM will be to you. VILMB doesn't have anything to do with making a disk boot – it is a utility to display pictures.

Here is how to make a disk bootable. Boot from your Workbench disk and format a fresh disk. Rename it "Brian", at least for the moment. Open a shell and enter:

install brian: <return>

If you only have one floppy drive you'll need to enter the following first:

resident c:install <return>

When this disk is inserted, the Amiga will look for a file called startup-sequence in a directory called s. At the moment neither exist, so enter this at the shell:

makedir brian:s

To create the startup-sequence, use a text editor program like ed. Enter:

ed brian:s/startup-sequence

Now you can enter the commands you want the Amiga to execute when is is switched on. If you do want a picture displayed, add something like:

brian/vilbm mypicture.iff

But you must remember to copy VILBM and your picture to the disk. Getting hold of VILBM isn't difficult – it's in every PD library in the land. Ask your favourite library for a disk full of graphics utilities and you are bound to find it or one that's similar.

Workbench 2 comes with display and Workbench 3 with multiview which are more powerful. To use these programs make sure you have copied the LIBS: drawer to your new boot floppy.

HARD DONE BY



As an owner of a CDTV I feel very hard done by. I bought my machine 12 months ago, with the promise of more good things to come for the CDTV scene. Now we are told the CDTV is dead and the new CD32 is out: with lots of up-to-date games available. The only thing that's wrong is that you can't play them on a CDTV – does this mean there will not be any new games for the CDTV?

Don't get me wrong, I like my machine a lot, apart from its shortfall in memory. I've also heard that it's possible to switch off the drive to get the memory back?
J.A. Davies, Barnstaple, North Devon.

Every machine will be superseded eventually, and the CDTV's time came just a little to soon. However, there are a going number of compatible disks stuffed full with PD utilities and games, so it's wrong to say that the CDTV is not supported any more.

As you'll have read in the previous letter, regaining the RAM taken by the CD-ROM drives is possible without resorting to hardware.

DEGRADING EPISODE



Having replaced my trusty A500 with a sparkling new A1200, I find to my dismay that I can no longer run my beloved *Video Studio (v3)*. Moreover, the originators, ZVP, have apparently put up the shutters.

I've tried Fakemem and Degrader, as well as the two-button start-up menu suggested by Commodore but without success. Am I missing a trick somewhere, or have I really got to scrap the program?
W.W. Windsor, Winslow, Buckingham.

There comes a time when you have to give up, and I'm afraid that time is now. No matter what version of *Kickstart* your Amiga thinks it is running, no matter what caches you have switched off, and no matter how fake your memory is, some programs simply won't work on the A1200.

The problem is with the new AGA chipset. Commodore have been telling programmers for years not to poke around but to follow the guidelines, and do they listen? No – well, not if they want to push the hardware that little bit further. In this case you'll have to give up.

It's not all bad news though, there are new graphics and video programs coming on to the market all the time and most will not just support the AGA chips, they will also take full advantage of all the new modes. Search out a replacement, and let *Video Studio* finally rest in peace.

SEEDY CONNECTIONS



After waiting and waiting for a CD ROM add-on for my A1200, and then finding out that it is not going to be available for a while, I went out and purchased the CD32 console instead – I'm very impatient, you see.

What I would like to know is, will it be possible to link the two machines together and if so, will my A1200 recognise and make use of both the CD drive and the extra 2Mb of RAM?

Also, if they can't be linked together will I be able to use demos, anims and games from one of the many PD CD collections on the CD32?

P.D Sprakes, Henlow, Beds.

Commodore upset a lot of people by announcing a CD add-on for the A1200 and then snatching it away. I suspect a lot of A1200 owners held back from buying a CD32 in case the drive appeared, and probably got so bored waiting that they bought something else instead (like a PC).

Anyway, yes it is possible to network the CD32 and the A1200 together, but you will need to buy the forthcoming SXI. Indi (tel: 0543 419999) are taking orders for them, and when I spoke to them promised availability by the time you read this.

When you have the SXI connected to the CD32, the PD program *ParNet* and a special cable is all that is needed. The A1200 can then access the CD-ROM drive and the 2Mb of RAM as though they were normal AmigaDOS devices. Also, many game and demo CDs will work on the CD32 already.

GOBBLEDYGOOK



I purchased a secondhand Epson MX100:111 for my son to use with his Amiga 1200. On a self-test it prints perfectly, but when connected to the Amiga using all the Epson drivers available it prints gobbledygook.

I have made a parallel lead using both manuals, but leaving the 5 volt line from the Amiga disconnected and altering the printer DIP switches to suit. What's going on?

R. Carter, Canvey Island, Essex.

Looking at the print-out (in which about one letter in every 10 is correct) I have to say that I suspect the cabling. Nothing personal, but are you sure every line is connected correctly? D0 to D0, D1 to D1 and so on? Is the wiring used actually up to the job? Leaving out the 5 volt line was a very good thing to do – if you had left it in, the printer may have been damaged.

After spending many years as a students, forced to use homebrew printer cables, we know all about dodgy wiring. Believe me, £10 spent in Dixons on a proper lead is a real investment in saving time, paper and tempers.

To discover exactly what is wrong you will need to check your Amiga, your printer and your cable. Find a friend with another computer and printer (or visit your local computer club) and try connecting your printer to his computer. Then connect his printer to your computer. Then try again using your lead. This will help you trace the fault.

There are several pitfalls when buying printers second hand. Firstly, you can never be sure that the thing works unless you see it: a self-test isn't good enough, as it only tests the print head and not the interface. Secondly, if you get an obscure piece of kit, you can bet that you'll spend the rest of your life trying to track down a printer driver.

TOO FAST?



I own an Amiga A1200 with an internal 120Mb hard drive. However, a few games, loaded from the hard drive don't work. The sound is good but the pictures are all mixed up. What's going on?

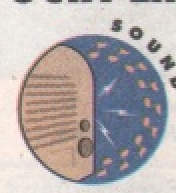
Versmissen Thierry, Athus, Belgium and S. Ratcliff, Hollywood, Birmingham.

Apparently some hard drives can work too fast for particular software and as a result some data gets corrupted as it is read.

Search out the program called *HDToolbox* on your Workbench, and select the partition drive option. For each partition, click on the advanced options button and then click on the button marked change which will appear.

Find the box labelled MaxTransfer, it should read 0xFFFFFF as a default setting. Change this so that it reads 0xFFFF instead and click on OK until you reach the first screen. Finally click on 'save changes to drive' and leave the program. When you reboot, the new settings should come into effect and with any luck your graphics will be fine.

OCTA-LINKING



Can you tell me how to connect two Amigas together so the Ext. Sync function of *OctaMED* will give me four more precious sound channels. What do I need? Where do I get it? And most importantly, how much? If this is possible, would an A500+ be compatible with my pride and joy – my A1200 of course.

Kevan Gordon, Travent, Scotland.

This is a good trick to get eight track audio: *OctaMED* can send and receive timing signals so that two Amigas will remain locked together.

I used to think this required a MIDI connection, with each Amiga fitted out with a MIDI interface and leads. However, I've just discovered that you can do away with MIDI totally – you simply need a NULL modem cable – a simulated modem link which links two computers together without actually using a modem. It's the same sort of lead that is used to link Amigas when playing games such a *Stunt Car Racer*.

Connect the computers together in this way, and then select the MIDI options page in both copies of OctaMED. Ensure MIDI ACTIVE is on, then set SEND SYNC on one Amiga, and EXT SYNC and INPUT on the other. When you click on play on the first Amiga, the second will start at the same time. As this trick uses the serial port, it will work on any two Amigas. For more information check out Sound Lab on page 172.

MY PERFECT COUSIN



I am Quang from Norway and I am 15 years old. I own an A500 and an A600.

However, my cousin has a clicking thing from an electric lighter which he clicked on my A500. He clicked on the mouse port and now my A500 is dead. The red light is on but then you put a disk in it doesn't do anything. Did he crash my A500? What's wrong? Is it a chip?

Nguyen Duc Quang, Oslo, Norway.

Tut, tut. The old clicking thing ploy, eh? A clicking thing is actually a piezo electric static electricity generator. By quickly altering the shape of a piezo-electric crystal, a large electric potential is created and a spark jumps to a nearby earth.

In your case the nearby earth happened to be an A500's mouse port. Clicking this was a terribly unfortunate thing to do, as a gigantic voltage spike (several thousand volts) would have shot into the Amiga's chips, blowing them to smithereens. It's probably not one chip that's broken, but all of them.

This is definitely a case where you should threaten to grass on your cousin unless he buys you a CD32. And take that damn clicky thing off him too before he breaks anything else.

C FOR YOURSELF



I'm 14 years old and I would love to learn how to program the Amiga. I've already dabbled with BASIC, but I'd rather learn a language which would be accepted by a software company if I ever decide to aim for a career in programming.

According to a reply to a letter in the January issue of CU AMIGA, the best language is C, however, I get the impression that it is only really suitable for programming serious applications.

Am I right in thinking this, or is it possible to program top games, such as *Body Blows* or *Zool2* with C? Also, I've been looking at the prices of some C compilers. SAS/C costs £250 and I can't afford that.

However, one of your rival magazines is offering the full DICE C package including manual, compiler and all the necessary files for £25. Is this a good quality C implementation?

M. Buckley, Chesterfield, Derbyshire.

C is an excellent language, and yes, you could use it to write top games. Modern C compilers produce code which is almost as quick as handwritten assembler - the fastest code possible. More and more games companies will be moving towards C when they realise the time and money this cross-platform language can save. Also, any real time critical code can be written in assembler and included in the C program very easily.

The DICE (Dillon's Integrated C environment, a public domain C compiler and nothing to do with our good Tony) system is available from most good public domain libraries, so this could be the most affordable way yet to program the Amiga.

Unfortunately, you must bear in mind that it takes a very long time to learn enough about C and the Amiga before you could write a game like *Body Blows*. For this reason I recommend that you try *BlitzBasic2* first. *Blitz* is based on BASIC but has some very advanced C-like features. Even better, it comes with lots of routines for handing graphics and sound, routines which you would have to write yourself if you were using a C system.

QUESTION TIME



Could you please answer a few simple questions for me?

1. Is my Amiga 500+ outdated and worth flogging in the local paper?

2. Is it cheaper to buy an Amiga 1200 with a CD-ROM or a fully expanded CD32?

3. Is there a trapdoor expansion on the CD32?

»

» 4. With the port block for the CD32, will I be able to use my external disk drive?

5. What version of *Kickstart* is in the CD32 and what version of Workbench does it need?

6. Will any of the famous programs like AMOS and *Deluxe Paint AGA* be available on CD?

7. How long do CDs last?

8. Will an FMV module come out for the A1200's CD-ROM?

9. Will the existing Amiga mouse work on a CD32?

10. Will MicroProse come out with a CD version of *Formula 1 GP*?

11. What is the best Amiga alive?

12. Will it ever be possible to save on CD and if so would it be called a CD BSD (Big Storage Disk)?

13. I have heard things about Amiga VR. Is this true and if so when will it be available?

14. Is there going to be an AAAA chipset and if so would it have more than 16.7 million colours?

15. Lastly, when are Commodore going to have transformers built-in, because at the moment I have a house brick missing and I am using my transformer in its place.
Niki Ferrari, Stoke-on-Trent.

1. Yes, it is outdated, but flogging it is a bit extreme. A severe smack on the back of the legs should do.

2. At the moment there is no official CD-ROM upgrade. It is possible to add a CD-ROM player, but not one that will play all CD32 games.

3. There is a port on the back for the addition of the FMV module.

4. Eh? Run that by me again? If you are referring to the forthcoming CD32 expansion system, then yes – expansion floppy disk drives is what it's for.

5. An enhanced version of Kickstart 3, as used in the A1200 and A4000, with some extra code for the CD-ROM device and (allegedly) some support for networking.

6. A very interesting question. At the moment, only games and PD software collections are released on CD but if the CD32 continues to sell strongly and other Amiga owners get into CD-ROM then serious software will happen - and the sooner the better.

7. Years. I have a Genesis CD single from 1986 and it still works fine.

8. It doesn't look as though there is going to be a CD32 compatible CD-ROM add-on for the Amiga 1200, so an FMV cartridge is unlikely.

9. It should, although what would you do with it?

10. If they have any sense.

11. There are no live Amigas. Contrary to popular opinion, all Amigas are all inanimate objects.

12. It's possible to save to CD at the moment, although the special players that csn do so cost several thousand pounds. Unfortunately, the manufactures missed the marketing opportunity of a lifetime and called it Writeable CD-ROM and not CD BSD.

13. You said you heard it, and I'm not going to call you a liar. But it won't happen.

14. There might well be an AAAA chipset, although Commodore might have thought of a better name by then. There is little point in having more than 16.7 million colours, as the human eye can't distinguish between any more.

15. Commodore will build transformers into their computers when every country decides to standardise their domestic electricity supplies. I like the big warm brick - I can take my shoes off and keep my feet on top of it.

PCMCIACMIA... THINGY



I have an A600 with a Commodore 1Mb RAM expansion, a second floppy drive and an 80Mb hard drive. I want to upgrade my memory with the addition of a PCMCIA smart card, but in the January Get Serious section of CU AMIGA you said that most trapdoor expansions disable anything plugged into the PCMCIA port. Does this include my 601 expansion?
David Eastwood, Huddersfield, West Yorks.

We had a quick word with Silica Systems (tel: 081 309 1111) who sell the Amitek PCMCIA memory cards, and they assured me that memory fitted to the trapdoor of the A600 won't be affected by memory fitted via the card slot. On the A1200 this doesn't necessarily hold true, and will depend on exactly what you have stuck in the trapdoor.

However, I think the best way to upgrade your memory would actually be to swap the A600 for an A1200. Not only will you then have 2Mb of RAM as standard, but you'll get a great increase in speed and the fabby AGA chipset. Your external floppy drive will continue to work with the A1200, and any good dealer should be able to take the hard drive from the A600 and put it in the A1200 for you.

A2000 EXPANSION



I have a secondhand A2000 HD with Workbench 1.3. What is the best way to upgrade in the future?
N. Luxford, Colney Heath, St Albans.

For a start, get a Workbench 2 update pack with the new ROM, Workbench disks and manuals. I have spoken to various users who swear that Workbench 1.3 is great and hey!, we like orange and blue anyway.

Both Workbench 2 and 3 are a quantum leap away from 1.3 and you owe it yourself, N. Luxford, to upgrade to a more powerful and more stable environment.

As you are lucky enough to have an A2000 you therefore have lots of lovely Zorroll card slots and also a snazzy CPU and video expansion slot. Silica Systems (tel:081 309 1111) are selling a 68020 card rather cheaply and this will speed your computer up considerably, as well as adding some useful extra memory.

If you happen to be an eccentric millionaire, get a 68030 or 68040 expansion card and add a Picasso II video board.

NUTTY OVER NOTATION



I'm getting into music on the Amiga, and I'm especially interested in the MIDI side of things. I've worked out that I need a MIDI sequencer program, but I'm afraid that they'll all be too complicated. I can read proper musical notation, so I really need a program that uses this. Am I asking too much?
Adam Priestly, Liverpool.

Of course you're not asking too much – the Amiga is capable of almost anything. The best music sequencing program available (at the time of writing) is without doubt *Bars and Pipes Pro*.

In fact, *Bars and Pipes* has recently won awards for being the best sequencer on ANY computer, so I'm not alone in my thinking.

Like any powerful program it will take time to learn, but when you master *Bars and Pipes* you'll be extremely happy, and no matter how complicated your MIDI set-up it will keep pace.

Contrary to what I may have indicated in the past, one of the most powerful features (and one of the best hidden in the menus) is the musical notation section. Instead of the usual coloured blob approach, real notes on real staves can be displayed.

You can also use guitar notation, chords, a mixture of notes and blobs (good for drum parts) and even add lyrics.The notation method used can vary from track to track, so your keyboard parts can use a piano roll system and guitar parts can use proper guitar tabulator.

COMMS CONUNDRUM



Can I use an external modem intended for use with a PC with my Amiga A1200 and then simply use NComm? The reason I am asking is that the PC 14,400 baud modems seem to be cheaper than the ones advertised forthe Amiga.
J.S Smith, Wincobank, Sheffield.

The Amiga supports the same RS232 standard serial port as the PC, so any external MODEM will work fine. No modem is manufactured especially for use with Amiga or the PC - they are designed to work with RS232.

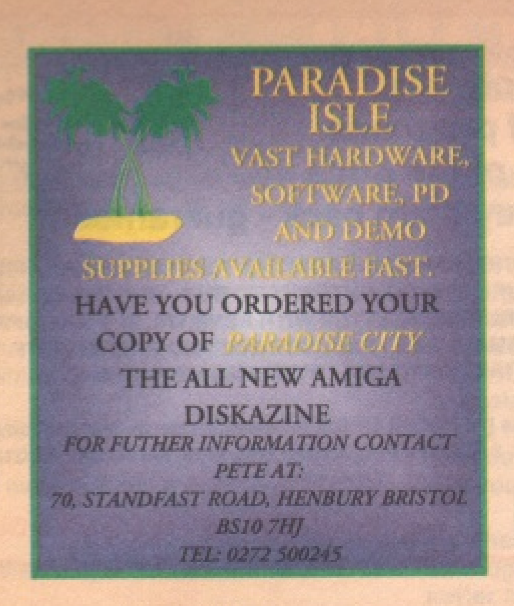
The exceptions to this rule are the internal modems common in the PC world. These cardswill only in a PC (without going down the route of bridgeboards and PC emulators). NComm is an excellent choice of software (but consider Term as well) and will work with any Comms hardware.

As far as pricing goes, I've been looking around myself and I've found that after the inclusion of VAT and postage the prices are almost identical.

NEXT MONTH

If you have any questions concerning your Amiga or peripherals, write to us at CU AMIGA, Priory Court, 30-32 Farringdon Lane, London EC1R.3AU.





LASER TONERS

INTERNATIONAL IMAGING PRODUCTS

We specialise in remanufacturing Laser Toner Cartridges

FULLY GUARANTEED AND TESTED

PHONE OR FAX FOR A QUOTE

TEL: 0734 344660

FAX: 0734 344775

AMIGA SPARES & REPAIRS

POWER SUPPLY A500/A500+/A600	£24.99
A520 MODULATOR (Exchange Only)	£24.99
A500/A500+ REPAIR CHIP P.O.A.	£37.99

CHEQUES/P.O. To:
Omnidale Supplies
8E Rowan Court
Friardale, Derby DE1 1B4

CLUB 1200

GAMES...UTILS...DEMOS...SLIDESHOWS...
YOUR ONE AND ONLY STOP FOR AGA P.D.
75p PER DISK including P&P
GREAT FREE DISK SYSTEM
UPDATES SENT DIRECT TO YOUR DOOR
NEW USERS WELCOME

NO OBLIGATION TO BUY

FOR MORE INFORMATION SEND S.A.E. TO:
CLUB 1200
57, EUROPA ROAD
LOWESTOFT SUFFOLK
NR 32 4BQ

100's of AMIGA & ATARI ST/E GAMES, UTILITIES, MUSIC PLUS MANY MORE AT JUST 90p

Send Now for a free Disk List and order form

NO OBLIGATION

to:
PENGUIN PUBLIC DOMAIN
PO BOX 179
READING BERKS RG3 3DD

---

20 FANTASTIC FRACTAL POSTCARDS

20 DIFFERENT FULL COLOUR HIGH DEFINITION 6" X 4" PRINTS
LOOK GREAT ON YOUR WALL

FULL (20) SET	£7
HALF (10) SET	£4

1 SAMPLE 50p Coin + 1st Stamp

SEND YOUR CHEQUE OR P.O. PAYABLE TO: MAGMEDIA, 3 ASH ROAD STILTON, PETERBOROUGH PE7 3RN

A1 SIZE POSTERS ALSO AVAILABLE
SEND SAE FOR DETAILS

NOTE: POSTAL ORDERS MEAN QUICKER DELIVERY



GREAT PD AT GREAT PRICES JUST 80p

UTILITIES MEGADEMOS DEMO MUSIC FRED FISH GAMES ANIMATIONS

FULL DESCRIPTION OF EACH DISK

SAE TO LOGIC PD (REF:CU)
8/5 GLENALMOND COURT SIGHTHILL
EDINBURGH EH11 4BE

TIGERSOFT
A1200 ONLY PD

AGA TETRIS	FRED FISH CATALOGUE
18 HOLE GOLF (2)	AGA ICONS
AGA MEGABALL	VIEWTEK V2.0
ROBOULDIX	SYS INFO V3.23
MENTAL IMAGE (2D)	TEXTPLUS
TETRIS PRO	FAST JPEG AGA
AGA UCHESS 4Meg	TIGERSOFT AGA UTILITIES (3)
AGA KLONDIKE (3D)	VIRUS CHECKER V6.34
BONDMINE 12	AGA ICON ED V4 (DEMO)
AGA FRENCH DEMO	AGA INTROS
AGA NOP DEMO	DISKSALV-2
DESERT DREAMS (2D)	PARBENCH
FRACTIONS /SILHOUETTE	SYNPHONY
MATHS ADVENTURE	WB KILL AGA
KIDS DISK 1 (2D)	4 NEW AGA DATATYPES
COLOUR IT (3D)	EASY CALC PLUS
CLI TUTOR	TEXT ENGINE

ONLY £1 each--PP 75p TOTAL-- FREE CATALOGUE DISC
94 MURE AVENUE KILMARNOCK KA3 1TT

ARNOLD COMPUTER SUPPLIES

AUTHORISED ACORN DEALER
AMIGA A600 £195.00
AMIGA A1200 £295.00
FREE LOCAL DELIVERY (10 MILE RADIUS)
ALL YOUR COMPUTER NEEDS CATERED FOR.
PLEASE PHONE OR FAX FOR LATEST PRICES.
NOW IN STOCK BALL JET INKJET REFILLS
MANGA VIDEOS NOW IN STOCK.
PLEASE RING FOR INFORMATION PACK.
PRICES FROM £10.99.
BARRY VOCE 0602 264 973.
11 CAMPION ST,ARNOLD NOTTINGHAM NG5 8G

F1 LICENCEWARE
0392-493580

We are a new company looking for quality games & utilities written written by anyone in any language for the amiga We offer a massive 25% royaltiy payment.

So if you consider your program worthy of licenceware and your program is previously unreleased then send it to us now for a free and fast evaluation ,or send us an S.A.E or call us for free information

F1
>THE WINNING FORMULA<
LAUNCHING FEB 94
31, Wellington Rd,Exeter,devon EX2 9DU

AMIGA REPAIRS

COMPILFIX
16 HIGH STREET
GILLINGHAM
KENT
TEL: 0374 636541

SOUND SAMPLES

HIGH QUALITY SOUNDS AVAILABLE NOWHERE ELSE!
RING FOR INFO

JORVIK PUBLIC DOMAIN
(DEPT CUA)
22, HEMLOCK AVENUE
YORK Y03 9DG
0904 624037
PD 99p (50p P&P PER ORDER)
OR
PD 40p + (P&P INCLUDED)

CATALOGUE DISK 75p
or 3 1st class stamps
* *NEW** PIC 'N' MIX FISH
ORDERING THE MAIN DISK CATALOGUE
THE FINAL FRONTIER (5 DISKS)
ISSUE *6 - £7.50 (50p P&P)
or
ISSUE *6 - £5.00 (WITH AN ORDER OF 10+ PD DISKS)
FISH 10-950, LSD TOOLS, 1-149 , GRAPEVINE, ASI GAMES 1-155 ALSO AVAILABLE PLEASE MAKE CHEQUES/P.O.'S PAYABLE TO:
D.BATEMAN

SRT - PD

AMIGA PUBLIC DOMAIN ONLY 70p PER DISK!

UTILS

U25	SPECTRAPAINT 3.2 -Superb paint program with added feature of volatile screen storage in Ram banks.
U31	ULTIMATE ICON DISK - Create your own professional icons
U41	SUPAFONTS - Lots of useful fonts all shapes and sizes.
U50	INTRO /DEMO MAKER - Everything you need to create intros and demos.
U68	ACCOUNT MASTER - Helps you to keep up to date with your financial affairs.
U69	TEXT ENGINE4.0 - Powerful text editor with a massive 36,000 word spell checker.
U71	SUPERKILLERS V2.5 - The best in PD virus killers, can detect 240 different viruses.
U75	MED3.20- Latest version of the master in music creation programs.
U87	SINCLAIR ZX SPECTRUM EMULATOR - Emulates the old Sinclair ZX.
U89	AMIGA FOX - Low budget Desk Top Publishing program
U91	DCOPY 3.1 - Excellent copy program, much like X-Copy.
U92	MESSYSID II - Disk file/directory arrangement utility. Can incorporate MS DOS files.
U96	LOCKPICK V2 - A very powerful disk protection remover, can remove from approx 450 commercial titles.
U101	RELOKICK V1.4 - Downgrade your A500+, A600 and A1200 to use old A500 software.
U105	A-GRAPH V1.0 - Instant results as bar charts, pie charts, graphs etc
U106	ELECTRONICS CAD - Useful circuit board disigning program

GAMES

G9	FIGHTING WARRIORS - Street fighter clone, pretty good stuff.
G10	TEXAS CHAINSAW MASSACRE - You've seen the movie, now play the PD game version of this gruesome hack 'em up.
G30	21 GAMES - An amazing 21 games on one disk.
G32	BOMBJACKY - Remake of the old C64 BombJack.
G36	DELUXE PACMAN - Excellent Pacman game with better game play.
G56	EXTREME VIOLENCE - Two player modern shoot out.
G58	THE LAST REFUGE - A medieval game of conflict.
G61	BLUE DIAMONDS 4 - Very good Boulder dash type game.
G70	BLACK DAWN -Superb mouse controlled Dungeon Master style game.
G72	THE GREAT ESCAPE OF BILLY BURGLER - Tricky platform prison escape caper
G75	EVALUATION - 2 -Colourful and quick Damsel in distress platform game.
G78	MEGABALL - Excellent clone to the arcade version of Break Out.
G80	AGA MEGABALL - A1200 only version of Megaball.
G81	NUMERIX - Great addictive puzzle game for 1 or more players
G82	MARKSMAN - Operation Wolf style game. Trojan Light Phazer or mouse

TOP DEMOS

D53	LETHAL EXIT- Some of the most stunning visulas to date.
D54	TECHNO TRACKS II - (A1200 only) Red Alert, Red Hot visuals and awesome music.
D55	FAIRLIGHT 242 DEMO (A1200 only) -A demo that really gives off some heat a full 29 meg crammed on one disk
D66	EXTENSION - Stunning use of pixcels and great music.
D67	HYPNOSIS (A1200 ONLY) - Explosive hardcore dance demo from Perspex
D78	SPASMOLYTIC - Spasmolytic wavey vector routines gave it the name.
D88	GROOVY - New demo with lots of action and plenty of colour
D89	AGATHA - (A1200 only) - Spectacular Plasma routines used in this one V. Good
D91	AMIGA 1200 (1200 only) - AGA graphics at the height of limitations
D92	DREAM TRIPPING - A demo that takes complete control over your TV set.

NOW AVAILABLE ASSASSIN GAMES COMPILATIONS 1-141
NORMAL DISK PRICES APPLY, ORDER AS - ASI (NUMBER)
PRICES PER DISK
1 SINGLE DISK - 85P
2 - 9 DISKS - 80P
10 - 19 - 75P
20 OR MORE - 70P
PAYMENT IN STERLING ONLY
TRY OUR DISK CATALOGUE FOR HUNDREDS MORE GREAT PD TITLES

PLEASE ADD 65p P&P PER ORDER DISK CATALOGUE 65p incl.
27, KINGSHOLM ROAD, WESTBURY-ON-TRYM
BRISTOL. BS10 5LJ /PAYABLE TO SRT PD

35p PD! Great products Great prices Great service **£4.95 CD's!**

Redlaw Resources

A500/A500+/A600/A1200 CD32/A570/CDTV

The Amiga CD32 console, superb machine, includes 4 free CD games!	£289.00

CD32 Software:

Liberation, absolutely superb follow-up to Captive, massive play, get this soon!	£26.95
Sensible Soccer 92/93, very popular football title now available on the CD32	£19.95
Arabian Nights, very nice platform game with puzzle/strategy, superb value at	£12.95
Labyrinth of Time, stunning photorealistic graphics in this amazing adventure	£20.95
Deep Core, Turrican-style platform shoot-em-up with 6 weapon systems, 9 levels	£22.95
Whales Voyage, the Whale's your ship in this planet trading, pirate fighting saga	£22.95
John Barnes European Football, put yourself in his boots in this multi-feature CD	£12.95
James Pond II, is Robocod. Over 2500 colourful screens to work through here	£22.95
Trolls, 32 enhanced levels, lots of detail, 13 CD music tracks, very playable	£22.95
Mean Arenas, wicked arenas to find & fight your way around, sampled speech	£22.95

CDTV/A570 Software:

CD-ROM drive for A500Plus, free Fred Fish 1-660 & encyclopedia CD, a bargain	£99.95
CD Case, replacement for those cases that got badly scratched or broken	£0.95
Mouse for CD32, microswitches, smooth response, improves use of many titles	£16.95
CDPD II Collection, Fred Fish to 740, entire NASA AB-20 & SCOPE collections!	£18.95
CDPD III Collection, Fred Fish to 890, fonts, clip-art, utils, images, utils & books	£18.95
DEMO CD, PD games, animations, demos, fonts, art, 4000 sounds & 1000 tunes!	£18.95
DEMO CD II, 100 games, 6000 samples, 2000 tunes, late demos, 100's images	£18.95
17-bit Collection CD, over 1600 of the best in PD games, demos, utilities, pics etc, on 2 brilliant CD's. An instant PD library for a very small outlay!!	£35.95
17-bit CD II, includes latest 17-bit, 141 Assassins games disks, ARUG, AMIGAN....	£18.95
Aminet CD, 4000 files of games, demos, applications, docs, sounds. Popular	£18.95
Multimedia Toolkit, images, clipart, sounds & utils for your own productions	£18.95
Pandora's CD, 2000 colour clip-art, 100 sound FX & multi-media demos & more!	£4.95
Labyrinth of Time, amazing adventure with photorealistic graphics! A570	£20.95

Amiga Accessories:

3.5" DSDD disks & labels, 50 pack	£21.50	3.5" DSDD disks & labels, 100 pack	£41.00
3.5" full-size disk labels, pack of 100	£1.95	Twin mouse/joystick ext lead	£4.95
Mouse mats, 6mm thick, value at	£2.95	Four-player extension lead	£4.95
Mouse mats, 11mm thick, luxury at	£3.45	Mouse/Joystick switch box, manual	£7.95
A500/A500+ dust cover, protection	£2.95	Mouse/Joystick switch box, auto.	£10.95
A600 dust cover, protection	£3.25	3.5" disk box, holds up to 12 disks	£1.65
A1200 dust cover, proection	£3.45	3.5" disk box, holds up to 40 disks	£6.95
Mouse house, fits any size mouse	£2.45	3.5" disk box, holds up to 100 disks	£8.95
Disk drive head cleaner kit	£2.45	Zipstick joystick, rugged, autofire	£12.95
Mouse, micro-switches, quality	£16.95	Printer lead, parallel	£4.25

CD's for all drives at low prices! 2 stamps for the CD price list & CD overview booklet. On PD we can offer you Assassins, LSD Tools, Animations, Clipart, Demos, Education, Fonts, Games, Mags, Music, Slides, Utils, Fred Fish, T-Bag, Imaginative Collection etc For the PD catalogue disk listing 4500+ PD from 35p, whip 3 stamps to us now!



Send cheque PO to: REDLAW RESOURCES, 74 Durban Road, Patchway, Bristol BS12 5HQ Tel: (0272) 760600 *Add 50p postage to orders*

DOMINATOR ONE PD

SINGLE PD DISK	£1.75 EACH	1TO 9 DISKS	£1.50 EACH
10-19 DISKS	£1.25 EACH	20 OR MORE	£1.00 EACH
LSD DOCS DISKS	£1.35 EACH	LSD LEGAL TOOLS	£1.25 EACH
SPRINT DOCS	£1.25 EACH	GRAPEVINE DISKS	£4.00 EACHSET OF 3
FRED FISH DISKS	£1.15 EACH	JUST AMIGA MONTHLY	£1.25 EACH
SCOPE DISK 1-220	£1.25 EACH	WASA AB-20 DISKS	£1.30 EACH

FULL SET JAM DISKS (10 IN ALL) £10.00 SAVE £2.50
FULL SET LSD DOCS £58.00
FULL SET LSD LEGAL TOOLS £54.00 SAVE £2.25
FULL SPRINT 1-8 (NOT INC 7) £7.00 SAVE £1.75
FRED FISH 1 TO 890 NOW IN STOCK £1.20 EACH

WE HAVE HUNDREDS OF PD DISKS RANGING FROM DEMO'S , MUSIC,UTILITIES, VIRUS KILLER, MUSIC DEMOS A1200 DEMO'S EMULATORS , FONTS,100'S OF MODULE DISKS, ABOUT 8,000 SAMPLES,PICTURES, CLIP ART & LOT'S LOT'S MORE....
FOR A FREE CATALOGUE DISK SEND A S.A.E. TO
GP ROEBUCKS
11 THE MALTINGS
ALMA ROAD
SOUTH YORKSHIRE
S60 2JA
PLEASE MAKE CHEQUES PAYABLE TO G.P. ROEBUCK (THANKYOU)

ALL POSTAL ORDERS ARE DESPATCHED THE SAME DAY ON RECIEVING YOUR ORDER.(1st CLASS POST CHEQUES ARE USUALLY 5 DAY S FOR CHEQUE CLEARANCE. (1ST CLASS POST)

UTILITIES

UO54	.ACTION REPLAY MK IV (A1200/4000 ONLY)
UO85.	KICKSWITCH 1.3 > 2.04
U104.	A1200 UTILITIES (A 1200 ONLY)
U115	.LOCKPIN V2.0
U137.	NCOMM3.0
U144	AGA BLANKERS (A1200 ONLY)
U056.	RSI DEMOMAKER V2.0
U105.	VIEWTEK 1.05
U108	MAGIC MENU V1.27 (NOT 1.3)
U111	VIRUS CHECKER V6.33
U127.	THE JOLLY ROGER COOKBOOK
U140.	TOOL MANAGER 2.0 (NOT 1.3)

MUSIC

M002	OCTAMED V2.0
M080	MULTI RIPPER V3.0
M114	OCTAMED 5 DEMO
M079	DELITRACKER V1.30
M081	C64 TUNES (4 DISKS)
M115	PROTRACKER

VIRUS KILLERS

V006	SUPERKILLERS V2.04
V.009	SUPERKILLERS V3.0 (2DISKS)

SLIDESHOWS

S034	REVELATIONS
S036	SENSATIONAL SLIDES (1200ONLY)
S035	NIGHTBREED (2DISKS) (A1200 ONLY)
S037	BODYSHOP 4 (2DISKS) (1200 ONLY)

GAMES

G019	SUPER TWINTRIS
G029	KLONDIKE (AGA ONLY) (3 DISK)
G032	TIME RUNNERS
G025	CRAZY SUE GOE'S ON (CRAZY SUE II)
G031	MOTOROLA INVADERS (1200 ONLY)

EMULATORS

QOO7	PC TASK V2.02
QOO9	SPECTRUM DATA DISKS (3 DISKS)
Q008	SPECTRUM EMULATOR V1.7

(0709) 837488 10am - 6pm



NEW! Fastest way to build muscles and strength without weights – EVER! Just 35 minutes daily in the privacy of your home will develop an amazing physique

MUSCLE DYNAMICS is a new body building system based on principles developed after years of exhaustive research. It is a total exercise programme involving the very latest scientific breakthroughs in the field of muscular development. It is the fastest, most effective way to build muscles in existence.

Noticeable results in 28 days guaranteed.
Send for FREE Information Pack.
MUSCLE DYNAMICS,P.O. BOX 70, DOUGLAS, IM99 1EH
Tel: 0624 801023 (24 hrs)

MUSCLE DYNAMICS,P.O. BOX 70, DOUGLAS, IM99 1EH
Yes! I want to build muscles fast. Please rush me a FREE information pack!

Name..BLOCK
Address..CAPITALS
....PLEASE
.... **Postcode** ....
(A stamp for reply appreciated) (CUA)







PART 3

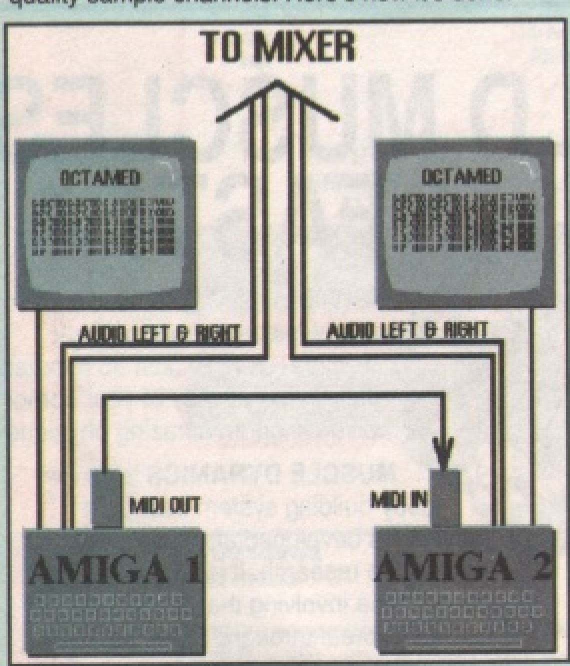
SOUNDLAB

Funky stunts of MIDI trickery, including how to get eight top-quality sample tracks, are revealed in part three of Tony Horgan's essential *OctaMED 5* tutorial.

If you thought *OctaMED* was just a sample tracker like Protracker, think again. The enormous advantage *OctaMED* has over any other tracker is its MIDI power. Apart from giving you 64 MIDI tracks to play with, it opens up plenty of other exciting avenues too.

SYNCRONIZED AMIGAS

One of the best MIDI tricks you can perform with *OctaMED* is synchronising two Amigas. This might seem like a bit of an expensive gimmick, but your second Amiga could be a standard 1Mb A500, which, these days, you can pick up for as little as £150. The great advantage of hooking up two is that you double the amount of sample channels available. Instead of settling for the normal eight channel mode with its reduced sound quality, by connecting two Amigas, you can have eight top-quality sample channels. Here's how it's done.



Take a look at the diagram, bottom left, to get some idea of what's going on. You're going to be using a MIDI link between two Amigas, both of which are running OctaMED, with one acting as the 'master' and the other as the 'slave'. You will use the slave machine as your second set of four sample tracks, and construct a song parallel to the main song on the master Amiga. When you hit PLAY SONG on the master Amiga, a message will be sent to the slave Amiga telling it to play its own tune at the same time. The result is two perfectly synchronised *OctaMED* songs, which can then be fed into a mixer and combined into one eight channel soundtrack.

YOU WILL NEED:

* Two Amigas.
Any Amiga will do, but if your second Amiga is a 1.3 machine, remember you'll need a version of *OctaMED* that doesn't require a 2.04 operating system (such as *OctaMED* 3 for example). Different versions of *OctaMED* should be able to talk to each other without any problem.
* Two TVs or monitors.
You could get around this problem by connecting both Amiga video outputs to a switch, and view them one at a time through the same screen.
* Two MIDI interfaces.
* One MIDI cable.
* A four-channel line mixer.
Four channel mic mixers are available, but the output from your Amigas will be too loud for one of these.
*Three sets of stereo phono cables or six mono phono cables.
* Your usual amplification system (hi-fi or suchlike).

CONNECTING UP

Hooking the two Amigas together is quite simple, but refer to the diagram if you get lost. Connect up each Amiga to the mains and TV/monitor as usual, but leave the power off for now. Plug your MIDI interfaces into the serial ports of the Amigas. Plug the MIDI cable into the MIDI OUT port on your master Amiga, and plug the other end into the MIDI IN port on your slave Amiga.

Connect the audio outputs of your Amigas to the mixer. If your mixer has the facility, pan each of the four inputs to your preferred stereo positions. In this case, make sure you keep any prominent bass sounds in the centre of the stereo field. Power-up both machines, boot them both with *OctaMED*, and you're off.

TOP MIDI TIPS

* When using more than four tracks, avoid eyestrain by selecting either four or eight maximum on-screen tracks. You still keep the extra tracks, but you'll need to scroll horizontally with the cursor keys to access the later ones. Older versions of OctaMED have no four-track limiter, but you can use the NO16 button from the MISC panel to view just eight at once. With OctaMED 5 you can use the DISPLAY MAX TRACKS option from the Settings menu.
* Heavy MIDI usage sometimes leads to timing delays, usually when there are a lot of MIDI events happening on the same line, often the first of the block. To get around this, use the FF2 command on instruments that are not too time sensitive (such as chords for example). Putting this on the line where the note is triggered will delay it slightly. This helps avoid a log-jam situation, and will go unnoticed when used on the right sounds.

MIDI Settings
✓ MIDI Active
Input Active
Input Channel...
Ext Sync
Send Sync
Send Active Sensing
Send Out Input
Read Key-Up's
Read Volume
Reset Pitch/Presets
Send MIDI Reset
Send Local Control
Note Killing

All of *OctaMED 5*'s MIDI options are found on the MIDI menu.

SETTING IT UP

Whether you're using *OctaMED 5* or a previous version, the options you need to set are the same, but are found in different places. On your master Amiga, you need to turn on the following options: MIDI ACTIVE and SEND SYNC. On the slave Amiga, set MIDI ACTIVE and EXTERNAL SYNC. That should do it. Now you can build your songs using up to eight samples simultaneously. Remember, you don't need to use eight channel mode for this - leave it in the normal four channel mode.

If you're using *OctaMED 5*, the above options are found in the MIDI menu. For previous versions of *OctaMED*, click the MIDI button from the top section, and click the appropriate buttons on the MIDI panel.

Use the song control buttons on the master Amiga. Whenever you click PLAY SONG on the master, the slave will also start playing its song. Similarly, when you hit STOP PLAYING on the master, both Amiga's will stop. For playing single blocks, use the PLAY BLOCK button on the relevant Amiga. You'll only hear one block when you do this, as the PLAY BLOCK command is not transmitted down the MIDI cable.

When it comes to saving out your files, you will of have two files for each eight-channel song. If you're using one Amiga with more memory than the other, you may end up with one song file larger than the other, so it's a good idea to mark each file with a note that tells you which Amiga it was created with (for example a .MASTER or .SLAVE extension on the filename). Next month, we'll figure out how to get the best from a combined MIDI and sample-sequencing setup. CU

BACKCHAT

Tony Dillon is a man of letters ... and they're all yours. So if you feel the need, the need to speak (eh?), the need to get your doubts or opinions out in the open, then drop a line to CU AMIGA's BACKCHAT.

LETTER OF THE MONTH

FINGER LICKING GOOD

I have put pen to paper because I can no longer sit back and watch Amiga games players be the butt of jokes, aimed at them by their console owning friends. Why are Amiga owners targets for such derision? Fire buttons, that's what.

Since the dawn of time, or at least the Atari 800 computers have had one fire button. But in this age of 32-bit computers and flashy consoles we should all be capable of coming up to date with Sega and Nintendo and have at least two or three independent fire buttons on our joysticks. Joypads are already available that are compatible with the Amiga, but as the software only supports one button joysticks at the moment, only one will work.

So how do we go about getting games that work with 2 and 3 button joysticks? Well, it's all up to Commodore. All of their new machines should come with one of these joysticks as standard. They don't cost much, so that's not going to add much to the cost of a new Amiga. Okay it's no good if the software houses don't support them, but that's no excuse if they become standard equipment.

But what about people who don't have a multi-button joystick? Three options are open to them;-

1. Go into your little brother's bedroom and kick him off his SEGA, nicking the joypad along the way.
2. Beg your parents to buy you one for Christmas.
3. Or, on the option screen of the game you're playing, select 1 button joystick mode (remember to put this one in programmers).

T.O.D. THE GUYS, Manchester.

I agree. We do need more games that support more than a single firebutton. With the advent of the CD32, perhaps most AGA software will be written to accommodate the multi-button joypads. By the same stroke, why can't we have multi-button joysticks? I, for one, don't like using joypads and would rather use something like a multi-button Konix Speedking.

A BIT OF FRIENDLY ADVICE

Firstly, I'd like to thank you all for seeming to be Amiga enthusiasts – it's nice to know that a leading Amiga magazine isn't run by a load of businessmen.

However, if you are real Amiga enthusiasts, then prove it by switching to the Amiga to produce CU AMIGA when *Pagestream 3* is released. After having received an information pack from Soft-Logik, I see that *Pagestream 3* has around 60 features (including unlimited undo/redo) that aren't present in *QuarkXpress* (some of which would no doubt enhance your already near-perfect design). With the superior multi-tasking bevelled Workbench 3 operating system (which far outperforms System 7) and the blinding speed of the Amiga 4000, I suggest switching to the Amiga.

I respect the fact that the manager of EMAP Images wouldn't want to dump his beloved Macs (even though *Pagestream 3* on the Amiga is the best DTP package available) but get the message across nicely and beg (if necessary) to use the superior Amiga – you'll get your way in the end!

Imagine a network of Amiga 4000s all linked to each other, all running the premier desktop publisher. Okay, I realise the Mac's childish operating system and one-button mouse may have a certain charm, but seeing that CU AMIGA is always ahead of the rest, wouldn't using Amiga 4000s and Pagestream 3 give CU that little extra boost over its competitors.

Nathan White, Walsall.

Its an interesting idea, but with all the money invested in our Macintosh set up (CU AMIGA isn't the only magazine EMAP Images produces!), there is no way Lord Emap would want to shell out for more equipment. I totally agree with you, though, *Pagestream 3* is super.

FEELING DOOMY

Where is it? Why haven't we got it? I'm talking about the most kick-ass, kickbutt, headbutt, kick everything game there is, and it's taking the PC world by storm. I'm talking *Doom*. Don't tell me none of you have played it. I've never experienced a game as awesome. It's probably the closest thing to VR, short of a headset. I'm fortunate



Scientific meat markets.

enough to use a 486/66 at work and *Doom* plays so smoothly on it. that it begs the question: "Who needs a 64-bit Jaguar for fast 3D environments?"

The ability to run anywhere, in any direction and see the texture-mapped walls and floors fly by is incredible to see. The layouts of each level are so imaginative, and the sheer size of each level is just awesome. It's streets ahead of anything I've seen on the Amiga. Surely the A1200 with its 020 processor and specialised graphic handling could run something like Doom just as smoothly. PC games like Comanche, Doom and Frontier all have texture mapping. This makes PC games look a whole lot more desirable than Amiga games. Why didn't the Amiga version of Frontier have texture mapping for accelerated machines?

I notice the SNES is about to have *Wolfenstein*, *Doom*'s forerunner. This means games of the *Doom* genre are convertible but will Doom ever be released on the Amiga? The CD32

TEAM TALK

The CU AMIGA team have been totally obsessed with the Oscars this month – so you're lucky to be have a magazine at all. Because of this they've decided to share their own dreams of screen stardom with you.

ALAN -

Big Al always wanted to be Troy Tempest from the Gerry Anderson series, Stingray. Alas, he never got the job. Could it be that his brow was too manly, his jaw too square? No, it's because he insisted that his contract had no strings attached – so the whole deal collapsed.



LISA -

Metal ruler wielder and newly-promoted (after many threats) deputy editor, Lisa Collins, has always fancied being Purdy from the Avengers - and she has the right qualifications too. Not only is she long of leg, she also regularly wears twelve inch stillettoes and executes expert high kicks.



TONY D

Our games editor is obsessed with being Tom Baker's *Doctor Who*. The scarf, the hair and a room with holes in the walls were what really attracted him to it and, let's face it, since Tony is no stranger to visits from the style police in real life, he would suit the role admirably.



has the chunky to planar chip to aid in PC conversions, surely this would help in converting *Doom*.

I wouldn't be at all surprised if *Doom* is the real reason Dan Slingsby left CU AMIGA to join a PC magazine.
Mark Fox, High Wycombe.

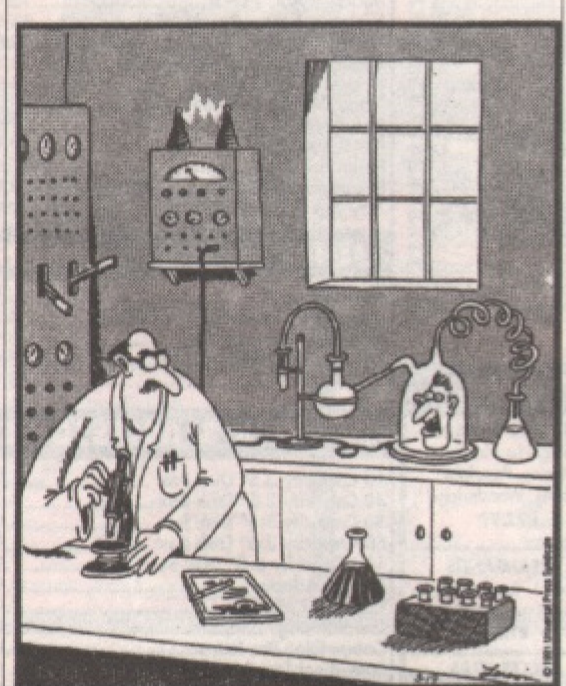
**I know this is going to be hard for most people to swallow, but *Doom* isn't coming out on the Amiga. With the exception of the A4000, there isn't a machine that could run it.
Yes, it is a superb game, but only possible because of the PC's direct screen addressing. ID say they have no interest in creating an Amiga version, so unless you know some way of persuading them, it isn't going to happen.**

COME UPSTAIRS?

May I begin by congratulating you and your delightful colleagues on producing such a marvellous publication. Each month I wait eagerly for your magazine to hit the news stands, and a few days before publication I can hardly sleep at night due to the anticipation your magazine arouses in me. (*O0-er – Ed.*)

However, there is one thing that has always puzzled me as I sit fondling the keys and slipping things into the parallel port of my beloved Amiga.

No, it's not how do I get my printer to print properly, and its not that some of the keys on my keyboard seem reversed, but something much more basic than that. It might be nearly as stupid a question as those mentioned above but I have never seen the answer printed in your illustrious pages before.



WHAT EXACTLY DOES THE 'CU' IN CU AMIGA STAND FOR OR MEAN?
Clement 'Herman' P., Highbury.

Anyone who has been reading the magazine since the days of the C64 will know instantly what CU stands for. Many years ago, this fine tome went under the name of Commodore User, which became shortened once the 64 was out of the picture.

CANADA DRY

I've finally had a glimpse of the CD32 with the FMV module. I was knocked off my feet! It was playing *Star Trek 6* and the sharpness of the picture and the smooth animation was certainly stunning. I feel lucky that I've seen it because I'm probably one of the few people in my city who are actually going to see it. Commodore used to be a major company in Canada. Now it has nearly been forgotten. For instance, I mentioned to someone at school that I had a Commodore Amiga, and the fool thought that Commodore's flagship was still the C64!

Everyone here thinks that the word 'computer' is generally a synonym of 'IBM PC'! I picked up a newspaper, and on the back page was an ad for a 'Commodore'. I thought to myself "Ah! The Big C is finally going to make a comeback!". Then I read the small print. It read "Commodore personal computers are now 100% DOS compatible" and beside that remark was the 'Intel Inside' logo. I felt as though Commodore were traitors.

On a final note, Tony, I like your hair. Anyone who calls you 'El Hairy' is getting a visit from me!!
Adrian Carlyle, Winnipeg, Canada.

I can't really comment on Commodore's position in Canada, but if the World Of Commodore show in Toronto is anything to go by, the Big C is most definitely making a comeback. Thanks for your hair support, by the way. (*Cut it Tony – Ed*)

RIPPING US OFF!

After reading your March issue of CU AMIGA, in particular the Backchat section, I felt I had to write. I am directing my comments to Mr Clague of Wirral, who wrote about the music industry overcharging for CDs etc. I feel that I must write and say that consumers should wake up and smell the roses. The prices of goods that we see on our shelves are entirely relative. They are only worth as much as we are willing to pay for them. How many times have you seen the outrageous statement in adverts and magazines declaring that; 'Due to popular demand' or, 'Due to incredible success' or, 'Due to advances in technology', we can now offer our products at an amazing, new, lower price. Does anyone believe them? You would have to be completely out of your mind to lower the price of your product when it is supposedly doing so well. Companies only lower prices when stocks aren't selling. Which brings me on to the real reason I'm writing. Recently, there has been an investigation into the overpricing of video games. My question is; how can you investigate video games for over pricing and not other products with massive profit margins? A can of Coke costs about 5p to make and is around 50p to buy. A pint of lager 10p to make and £1.80 to buy. My point is that the only way consumers can make companies drop their prices is to not buy their products. The next time Mr Clague feels like objecting to the prices of what are essentially unnecessary luxuries, he should look around his local supermarket and take on a few more rip-off merchants. That should keep him busy!
Alison Klerk, London.

Er, yes - indeedy! Then again paying 50p for a can of Coke doesn't leave nearly as big a dent in your pocket as the crater left by a £49.99 cartridge. Does it?



This month Club Call takes a detour out of these fair isles of ours and out into the heart of Kenya. Rishi D. Shah begged us to print the following message, so here it is.

THE AMIGA INTERNATIONAL

The club was started two months ago and already has a total of 114 members, both local and from foreign countries. The club sells public domain disks to its members for only 50 pence each (the blank disk is provided by the club and the price includes postage to any country). Also, the club helps members to buy software with a staggering 35% discount. To join the club all you need to do is send £3 worth of stamps for a six month membership, and you'll receive a membership card and a catalogue disk.
If that isn't enough for you, right now there are 25 joysticks and 25 mice to give away to the first 50 people who respond to this ad. For more information, contact Rishi D/ Shah at Box 82817, Mombasa, Kenya.

AH! THE GOOD OLD DAYS

I've been reading CU AMIGA for years and, although I threw off the shackles of using my machine as a games only computer years ago, I felt that I had to ask; "Where have all the shoot 'em ups gone?". It was only a few years ago that fabulous arcade games were being released on Commodore's machines. Games like *Project X* and *Alien Breed* could rival anything the consoles had to offer. So what's happened?
Pat McCormack, Dublin.

Well, the team responsible for the two Amiga classics you've mentioned are Team 17 and they've only just released another two brilliant games in *Body Blows Galactic* and *Alien Breed 2*.

We know what you mean. Arcade quality shoot 'em ups are very thin on the ground these days, with most companies committed to bringing out all of their racy stuff on consoles.

**However, the CD 32 should be getting it's own share of arcade conversions very soon with *Mad Dog McCree* and possibly *Lethal Enforcers* being converted.
For now, check out the impressively priced and pretty looking *Stardust* for £16.99.**

MAT

Mat said that he never wanted to be anybody on TV. We can only take this to mean that the had higher aspirations, maybe he really wanted to be the test card or, even better, the little white dot that comes on when the TV is over. He's strange – our Mat.



TONY HORGAN

Our assistant technical editor has been judged insane for admitting that when he was five years old he wanted to be Gary Glitter, after seeing him singing on Top of the Pops. And what song did Tony sing into his hairbrush microphone? "I love, you love". Sad but true.



JOHN KENNEDY

John Kennedy was heavily influenced by Blake's Seven in his youth, which perhaps explains his obsession with techy things, and his rather strange fetish for flashing lights in shiny boxes. It also explains his love of tight nylon boiler suits, covered in glitter!



Premier Mail Order

Please send cheque/PO's (made out to Premier Mail Order), or advise Visa/Mastercard number and expiry date to: :

Dept CU 19, 10 Tinkler Side, Basildon, Essex SS14 1LE Tel: 0268 271172 ***Fax: 0268 271173***

Telephone Orders: Mon-Fri 9am-7pm and Sat & Sun 10am-4pm **We Are Open 364 Days a Year**

P&P and VAT is included for all UK orders. Please add £2 P&P for Europe and £3.50 for Rest of The World

Next day delivery service available £4 per item UK only. Some Titles may not be released at the time of going to Press E &OE

Title	Format	Price
3D Construction Kit 2		32.99
A320 AIRBUS (USA)		**22.99**
A320 Airbus(EUROPA)		22.99
A320 APPROACH TRAINER		**19.99**
Addiction		19.99
Air Bucks 1.2 0		22.99
Akira		18.99
Akira	CD32	19.99
Alfred Chicken	A500/A1200/CD32	17.99
Alien Breed 2	A500/A1200	19.99
Alien Breed Special Edition		10.99
Alien Breed Special Edition	CD32	12.99
Ambermoon		19.99
Amberstar		19.99
American Gladiators		16.99
Another World		12.99
APOCALYPSE		**17.99**
Arabian Knights	A1200	19.99
Arabian Knights	CD32	12.99
Assasin Remix		9.99
ATAC		**22.99**
A Train		12.99
Award Winners 2		19.99
B17 Flying Fortress (1 Meg)		22.99
Battlechess	CD32	19.99
Battletoads		19.99
Batman Returns		16.99
Beast Lord		17.99
Beneath A Steel Sky		20.99
Big Sea		19.99
Blade of Destiny		26.99
Blastar		17.99
Blues Brothers		8.99
Blob		7.99
Bobs Bad Day		17.99
Body Blows		18.99
Body Blows galactic		18.99
Body Blows Galactic	A1200	19.99
Breach 3		22.99
BRIAN THE LION		**19.99**
Brutal Sports Football		25.99
Bubble & Squeak	CD32	19.99
Burnin Rubber		16.99
Burnin Rubber	A1200	17.99
Campaign 2		22.99
CANNON FODDER		**20.99**
Captive 2-Liberation		20.99
Castles 2		19.99
Castles 2	A1200	22.99
Castle conQuest		19.99
Cardiaxx		8.99
Caeser/Cohort 2	CD32	22.99
Championship Manager 93		16.99
Championship Manager 94 Season Disk		7.99
Championship Manager Italia		16.99
Chaos Engine		16.99
Chaos Engine	A1200	17.99
Chaos Engine	CD32	19.99
Civilisation (1 Meg)		22.99
CIVILISATION	**A1200**	**25.99**
Claws		17.99
Cohort 2		19.99
Cool Spot		19.99
Combat Air Patrol		19.99
COMBAT CLASSICS 2		**19.99**
Cosmic Spacehead		17.99
Cover Girl		17.99
Craft		22.99
Crazy Cars 3		12.99
Creepers		19.99
Cyber Punk		17.99
Cyberspace		22.99
Cybercon3		10.99
D-Day		22.99
D Generation	CD32	17.99
Dangerous Streets	A500 or A1200	17.99
Darkmere		20.99
Dark Sun: Shattered Lands		21.99
Detroit		22.99
Deepcore		17.99
Deluxe Music Construction Set 2.0		59.99
Deluxe Paint 4 AGA		64.99
Dennis		17.99
Dennis	A1200	18.99
Deep Core	CD32	19.99
Desert Strike		19.99
Diggers	A1200	19.99
Disposable Hero		17.99
Dogfight		22.99
DONK		**16.99**
DONK	**CD32**	**19.99**
Dreamlands		19.99
Dreamweb		22.99
Dune 2		20.99
Dynablaster		19.99
Elfmania		17.99
ELITE 2 (FRONTIER)	**A500 OR CD32**	**19.99**
Entity		19.99
European Champions		17.99
European Championshhip Football	CD32	19.99
Eye Of The Beholder 2 (1 Meg)		21.99
Eye of Beholder 1		12.99
EXCELLENT GAMES		**22.99**
Exile	CD32	19.99
Exodus 3010		19.99
F1		17.99
F29		10.99
F17 Challenge	CD32	12.99
F17 Challenge/Project X	CD32	17.99
F19 Stealth Fighter		11.99
F117A Nighthawk Stealthfighter		22.99
FA PREMIER LEAGUE FOOTBALL		**17.99**
Falcon 3		24.99
Fat Man		17.99
Fields Of Glory		22.99
Fire Force	CD32	19.99
First Samurai + Mega-Lo-Mania		19.99
Flash Back		26.99
Flight of the Intruder		10.99
FLIGHT SIMULATOR 2		**24.99**
Flight Sim 2 Great Britain Scenery		26.99
Flight Sim 2 Japan Scenery		13.99
Flight Sim 2 Hawaiian Scenery		13.99
Flight Sim 2 USA No 7 Washington Scenery		13.99
Flight Sim 2 USA No 9 Chicago Scenery		13.99
Flight Sim 2 USA No 11 Detroit Scenery		13.99
Flight Sim 2 USA No 12 New York Scenery		13.99
Flight Sim 2 Western European Tour		13.99
Fly Harder		8.99
Fly Harder	CD32	12.99
Formula 1 Champions		17.99
Formula One Grand Prix		22.99
G2		17.99
Genesis	CD32	19.99
Global Domination		26.99
Global Gladiators		20.99
Globdule		19.99
Goal		13.99
Gobliins 3		22.99
Graham Gooch Second Innings		11.99
Graham Gooch World Class Cricket		19.99
Graham Taylors Soccer Challenge		8.99
Grand Prix Circuit		8.99
Grusome		16.99
Gulp		18.99
Gulp	CD32	19.99
Gunship 2000 (1 Meg)		22.99
Hanna Barbera Animation		29.99
Hannibal		19.99
Harrier Jump Jet		22.99
Harpoon Battle Set 3 or 4		9.99
Harpoon + Battleset 2		22.99
Harpoon Scenario Editor		13.99
Heroquest 2- Legacy Of Sorasil		17.99
Hill Street Blues		8.99
Hired Guns		22.99
History Line 1914-18		22.99
Hoyles Book of Games 2		10.99
IK+		6.99
Indy Jones - Atlantis Adv (1 Meg)		24.99
Innocent		22.99
Inferno	CD32	19.99
International Open Golf Championship		CALL
International Open Golf	CD32	19.99
Ishar 2	A500/A1200	19.99
Jack The Ripper		27.99
Jaguar XJ220		12.99
James Pond 2 - Robocod	CD32	20.99
James Pond 3		19.99
James Pond 3	A1200/CD32	19.99
Jet Strike		17.99
John Barnes European Football		8.99
John Barnes Football	CD32	12.99
Jurassic Park		17.99
Jurassic Park	A1200	18.99
Jurassic Park	CD32	19.99
K240 :Utopia 2(Non AGA)	A500/CD32	19.99
Keys of Maramon		16.99
Kingmaker		22.99
Kings Quest 2		10.99
Kings Quest 6	A500/A1200	26.99
Kit Viscious		17.99
KNIGHTS OF THE SKY (1 MEG)		**10.99**
Laser Squad		8.99
Legacy of Sorasil (Non AGA)	CD32	17.99
Legends of Valour		24.99
LEMMINGS 2 (THE TRIBES)		**17.99**
Links Bountiful Course Disk		12.99
Leisure Suit Larry 2		12.99
Lemmings Double Pack		19.99
Links- The Challenge of Golf		12.99
Lionheart	CD32	14.99
Util Divil	CD32	19.99
LORDS OF POWER		**22.99**
Lotus Espirit Turbo Challenge		8.99
Lotus Triology		19.99
Lotus Turbo Trilogy	CD32	22.99
Magician's Castle		19.99
Manchester United Premier League Champions		19.99
Mario Is Missing		19.99
Mavis Beacon 2		19.99
Magic Boy		17.99
Mean Arenas		17.99
Messengers of Doom		19.99
Microcosm	CD32	29.99
Micro Machines		17.99
Monopoly		18.99
MORTAL KOMBAT		**20.99**
Mr. Nutz		17.99
Mr. Nutz	A1200	18.99
Narco Police		5.99
Naughty Ones		17.99
New Zealand Story		6.99
Nick Faldo's Golf	A500/CD32	17.99
Nicky 2		17.99
Nigel Mansell World Champ	A500/CD32	19.99
Nippon qSafes		19.99
No Second Prize	A500/CD32	14.99
Operation Stealth		11.99
Oscar	A500 or A1200	17.99
Overdrive		16.99
Pang		6.99
Parasol Stars		8.99
Perfect General		(See Lords of Power)
PERIHELION		**19.99**
PGA Golf Courses		9.99
PGA Tour Golf+		19.99
PINBALL DREAMS + FANTASIES		**22.99**
PINBALL FANTASIES	**A1200**	**19.99**
PINBALL FANTASIES	**CD32**	**24.99**
Pinball Magic		6.99
Pirates Gold	CD32	19.99
Police Quest 1		12.99
Populous 2		(See Excellent Games)
Powermonger& Data Disk		12.99
Prehistoric 2		16.99
PREMIER MANAGER 2		**17.99**
Prime Mover		19.99
Prince Of Persia		6.99
Project X		10.99
Project X	CD32	12.99
Prophecy		19.99
Pro Tennis Tour 2		16.99
Psycho Killer	CD32	22.99
PUGGSY		**19.99**
Qwak		9.99
Qwak/Alien Breed	CD32	17.99
Quest For Glory 1		12.99
Ragnarok		22.99
Rainbow Islands		6.99
RailRoad Tycoon		12.99
Rally		19.99
Reach Out For Gold	A500 orA1200	17.99
Reach Out For Gold	CD32	19.99
Reach for the Skies		22.99
Red Baron		(See Lords of Power)
Rise Of The Robots	A500 or A1200	27.99
Rookies		17.99
Rules of Engagement 2		22.99
RYDER CUP	**CD32**	**20.99**
Ryder Cup		17.99
Sabre Team (enhanced)	A1200/CD32	20.99
Second Samurai	A500/CD32	19.99
SECRET OF MONKEY ISLAND (1 MEG)		**12.99**
Secret of Monkey Island 2		24.99
Seek N Destroy		17.99
Sensible Soccer 1.1 (92/93)		16.99
Sensible Soccer	CD32	19.99
SETTLERS		**19.99**
Shadow Lands		8.99
Silent Service 2		12.99
Sim City Deluxe		19.99
Sim City Lemmings		19.99
Sim City Populous		19.99
Sim Life (A1200)		22.99
Simon The Sorceror		22.99
Simon The Sorceror	A1200	29.99
SKIDMARKS		**17.99**
Slicks		12.99
Soccer Kid(enhanced)	A1200/CD32	19.99
Soccer Kid		17.99
SPACE QUEST 1		**12.99**
Space Hulk		22.99
SPACE LEGENDS		**19.99**
STARLORD		**22.99**
Star Trek	A1200	22.99
Street Fighter 2		12.99
Striker		8.99
S.U.B.		19.99
Barbarian		16.99
Super Frog		17.99
Super Hero		19.99
Super Leauge Manager		22.99
Super Methane Brothers		17.99
Super Methane Brothers	CD32	22.99
Surf Ninjas	CD32	19.99
Surf Ninjas	A500 or A1200	17.99
SYNDICATE		**22.99**
SYNDICATE DATA DISK		**13.99**
Terminator 2		20.99
T.F.X.	A1200/CD32	22.99
Theatre Of Death		19.99
The Blue & TheGrey		22.99
THE GREATEST		**21.99**
The Patrician		24.99
TORNADO		**22.99**
Total Carnage		18.99
Total Carnage	CD32	19.99
Town With No Name	CD32	22.99
Traps & Treasures		19.99
Trivial Pursuit Deluxe	CD32	19.99
Trolls	A1200	9.99
Trolls	CD32	19.99
Trolls		9.99
Turbo Challenge		8.99
Two Towers		19.99
Turning Points		22.99
Turrican 3	A500/CD32	17.99
Twilight 2000		20.00
TV Sports Duo	CD32	19.99
U.F.O.		22.99
U96		22.99
UMS Compilation		27.99
Uncovered		17.99
Universal Monsters		17.99
Uridium 2	CD32	22.99
Utopia 2	A500/CD32	19.99
WING COMMANDER	**A1200**	**22.99**
Winter Olympics		22.99
Winter Super Sports		19.99
Xmas Lemmings		12.99
Yo Joe		17.99
Zool	CD32	19.99
Zool 2	A500/CD32	17.99

COMPILATIONS

COMBAT CLASSICS 2
F19 stealfighter, Pacific Islands, Silent Service 2
£19.99

FOOTBALL CRAZY
Kick Off 2 1/2 Meg, Player Manager, K02 Final Whistle
£9.99

AWARD WINNERS
Populous, Kick Off 2, Space Ace, Pipemania
£19.99

LORDS OF POWER
Silent Service 2, Red Baron, Railroad Tycoon, Perfect General
£19.99

COMBAT CLASSICS
F15 Strike Eagle 2, Team Yankee, 688 Attack Sub
£19.99

DIZZY COLLECTION
Fast Food, Kwix Snax, Fantasy World Dizzy, Treasure Is. Dizzy, MagicLand Dizzy
£16.99

DIZZY'S EXCELLENT ADV-
Dizzy Panic, Bubble Dizzy, Dizzy-Prince of York Folk, Spellbound Dizzy, Kwik Snax
£16.99

FANTASTIC WORLDS -
Mega Lo Mania, Pirates, Populous, Realms, Wonderland
£22.99

DREAMLANDS
Ishar 1, Transarctica, Storm Master
£19.99

SOCCER STARS
World Champ Soccer, Kick Off 2, Microprose Soccer
£16.99

SPACE LEGENDS
Wing Commander, Elite, Mega traveller 1
£19.99

SPORTS MASTER
European Championship 1992, PGA Tour Golf, Advantage Tennis,Indy 500
£19.99

EXCELLENT GAMES
ARCHER MACLEAN'S POOL, JAMES POND 2, SHUTTLE, POPULOUS 2
£22.99

THE GREATEST- Jimmy White's Snooker, Lure of The Temptress, Dune
£21.99

SPECIAL OFFERS

Title	Price
Arabian Knights	9.99
Chuck Rock	10.99
Dizzy Panic	6.96
Jack Nicklaus Unlimted golf	12..99
Jack Nicklaus Course Designers	
Clip art Vol 1	7.99
Kick Off 2 1 Meg	9.99
Kick Off 2 Final Whistle	7.99
Kick Off 2 Giants Of Europe	7.99
Kick Off 2 Return To Europe	7.99
Kick Off 2 Winning Tactics	5.99
Sabre Team	9.99
Shadow Worlds	9.99
Thunderstrike	5.99
Wing Commander	9.99
Zool	13.99

EDUCATIONAL

Title	Price
ADI English (All Ages)	17.99
ADI French (All Ages)	17.99
ADI Maths (All Ages)	17.99
Better Spelling (8-10)	13.99
Better Maths (12-16)	13.99
Cave Maze (8-12)	9.99
Fun School 2 (6-8)	6.99
Fun School 2 (+8)	6.99
Fun School 2 (U6)	6.99
Fun School 4 (5-7)	16.99
Fun School 4 (7-11)	16.99
Fun School 4 (U5)	16.99
Fun School Paint + Create (over 5+)	17.99
Fun School Spelling Fair (7-13)	17.99
Fraction Goblins (8-13)	9.99
Junior Typist (5-10)	10.99
Magic Maths (4-5)	13.99
Maths Mania (8-12)	13.99
Maths Dragons (6-13)	9.99
Merlin Maths (7-11)	17.99
Mickey's 123's (2-5)	13.99
Mickey's ABC's (2-5)	13.99
Mickey's Jigsaw Puzzles (5+)	13.99
Mickey's Colours & Shapes (2-5)	13.99
Mickey's Memory Challenge (5+)	13.99
Noddy's Big Adventure	16.99
Noddy's Play Time (3+)	16.99
Picture Fractions (7-10)	9.99
Playschool (3-8)	9.99
Playroom (3-8)	17.99
Reasoning With Trolls (5-12)	9.99
Tidy The House (6-10)	9.99

JUNIOR ADVENTURE

Title	Price
Robin Hood (8 +)	13.99
Scrooge (A Christmas Carol) (8+)	13.99
The Three Bears (5-10)	13.99
Wind in The Willows (6+)	13.99
Wizard Of Oz	13.99

JOYSTICK & ACCESSORIES

Item	Price
10 Capacity 3.5" Disk Box	1.99
40 Capacity 3.5" Disk Box	4.99
50 Capacity 3.5" Disk Box	5.99
80 Capacity 3.5" Disk Box	6.99
100 Capacity 3.5" Disk Box	7.99
Analog Adaptor	4.99
Cheetah 125+	7.99
Cheetah Bug	11.99
Competition Pro Extra	14.99
Freewheel Steering Wheel	24.99
Gravis Advanced Switch Joystick	22.99
Mousemat	1.99
Gravis Game Pad	15.99
Quickjoy Jetfighter	11.99
Quickjoy Pedals	17.99
Quickjoy Topstar	17.99
Quickjoy Turbo	10.99
Suncom Slik Stick	5.99
Suncom Tac 2	7.99
Wico "q" Stick	4.99

3.5"BLANK DISKS

	TDK VERBATIM BOXED	PRECISION BOXED	UNBRAN-DED LOOSE	RECYCLED LOOSE
10	7.99	6.49	5.99	4.50
20	14.50	11.99	10.99	8.50
30	21.99	17.49	15.99	12.00
40	28.49	24.99	20.49	15.00
50	35.00	26.00	23.99	17.50
100	65.00	49.99	44.99	35.00

CITIZEN DOT MATRIX AND INKJET PRINTERS

24-PIN ONLY £129 + VAT

FREE! FROM SILICA

- **DELIVERY** Next Day - Anywhere in the UK mainland
- **2 YEAR WARRANTY** (Excluding consumables)
- **PRINTER KIT** With Citizen dot matrix printers from Silica
- **WINDOWS 3.1** Free Windows 3.1 driver with Printer Kit
- **HELPLINE** Technical support during office hours

FREE! PRINTER KIT WORTH £57.58 INC VAT

FREE PRINTER KIT INCLUDES:

- 3½" Disk with Amiga Print Manager
- 3½" Disk with Windows 3.1 Driver
- 1.8 Metre Parallel Printer Cable
- 200 Sheets of Continuous Paper
- 50 Continuous Tractor Feed Address Labels
- 50 Continuous Tractor Feed Disk Labels

AMIGA PRINT MANAGER
For faster printing from your Amiga, with clearer images and more vibrant colours. Available free of charge as part of the Silica Printer Kit.
- Improved Image Smoothing
- Image Scaling
- Gamma/Colour Correction
- Colour Separation
- Reduces/Eliminates Banding

KIT VALUE £49 + VAT

EXCLUSIVE OFFER!

LESS THAN HALF PRICE!

CITIZEN SHEET FEEDER
For Swift 9, 90, 24, 24e, 200, 240, 224
Semi-Automatic Cut Sheet Feeder for smooth trouble free paper handling. Requires manual sheet injection using lever.

FREE DELIVERY

RRP ~~£40~~ EXC VAT

£16.98 +VAT=£19.95 - PRA 1228

NEW! ABC 24

24 PIN 192 CPS 80 COLUMN

COLOUR OPTION AVAILABLE

SAVE £10 OFF PREVIOUS PRICE OF £139

FREE! PRINTER KIT WORTH: £49 +VAT SEE LEFT

2 YEAR WARRANTY

CITIZEN ABC 24

- 24 pin - 80 column
- 192cps Draft (12cpi) 64cps LQ (12cpi)
- 8K Printer Buffer
- 5 Fonts: 3 LQ, 2 Scalable
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- 2 Emulations: Epson & IBM
- Quarter Printing Facility
- Quiet < 48dB(A)
- Built-in 50 Sheet Automatic Feeder
- Included:
  - "EASYSTART" S/w
  - Windows Driver
  - Amiga Driver
- Optional Extras:
  - Colour kit
  - Tractor feed
  - 128K RAM
  - Serial Interface
- FREE Silica Printer Kit
- 2 Year Warranty

IDEAL FOR THE FIRST-TIME USER

FREE DELIVERY

OPTIONAL COLOUR KIT
Add full colour to your printouts with the easy to install, optional ABC colour kit.
£23 +VAT=£27.02 - PRA 1237

RRP	£189
PRINTER KIT	£49
TOTAL VALUE:	£238
SAVING:	£109
SILICA PRICE:	£129

£129 +VAT=£151.58 - PRI 2411

INKJET 180 CPS

2 YEAR WARRANTY · FREE CABLE · FREE DELIVERY

- Citizen Projet II Inkjet - 80 col
- 180cps Draft (10cpi), 120cps NLQ (10cpi)
- 50 Nozzle Head - Whisper Quiet 46dB(A)
- 50K Printer Buffer
- 1 x IC Card Slot for RAM, Emulation and Font Upgrades
- 3 Fonts Built-in - Optional HP Compatible Font Cards
- Parallel Interface
- Graphics Resolution: 300 x 300dpi
- HP Deskjet Plus (PCL3+) Emulation
- Low Running Costs - Replace Ink Cartridge Only
- Auto Sheet Feeder (70 Sheets)
- Includes Windows 3.1 Driver
- 2 Year Warranty

RRP	£316.00
FREE CABLE	£8.47
TOTAL VALUE:	£324.47
SAVING:	£115.47
SILICA PRICE:	£209.00

£209 +VAT=£245.58 - PRI 2093

9 PIN 240 CPS 80 COLUMN

2 YEAR WARRANTY · COLOUR VERSION AVAILABLE · FREE! PRINTER KIT WORTH £49 · FREE DELIVERY

- Citizen Swift 90 - 9 pin - 80 column
- 240cps SD (10cpi) 192cps Draft, 48cps NLQ
- 8K Printer Buffer
- 6 Fonts Built-in
- Parallel Interface
- Graphics Resolution: 240 x 216dpi
- Epson and IBM Emulation
- Auto Set Facility
- Ultra Quiet Mode - 45dB(A)
- Advanced Paper Handling
- Colour Printing
  Standard - Swift 90c
  Optional - Swift 90
- FREE Silica Printer Kit

SWIFT 90 MONO

RRP	£199
PRINTER KIT	£49
TOTAL VALUE:	£248
SAVING:	£119
SILICA PRICE:	£129

£129 +VAT=£151.58 - PRI 2290

SWIFT 90C COLOUR

RRP	£219
PRINTER KIT	£49
TOTAL VALUE:	£268
SAVING:	£129
SILICA PRICE:	£139

£139 +VAT=£163.33 - PRI 2297

24 PIN 270 CPS 80 COLUMN

2 YEAR WARRANTY · COLOUR VERSION AVAILABLE · FREE! PRINTER KIT WORTH £49 · FREE DELIVERY

- Citizen Swift 200/200C - 24 pin - 80 column
- 270cps SD (15cpi), 216 cps Draft, 72cps LQ
- 8K Printer Buffer (40K max) + 7 LQ Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360 dpi
- Epson, IBM, & NEC P20 Emulations
- Quarter Printing and Auto Set Facility
- Ultra Quiet Mode - 43dB(A)
- Colour Printing
  Standard - Swift 200C
  Optional - Swift 200
- FREE Silica Printer Kit

£10 OFF PREVIOUS PRICE OF SWIFT 200C

SWIFT 200 MONO

RRP	£259
PRINTER KIT	£49
TOTAL VALUE:	£308
SAVING:	£153
SILICA PRICE:	£155

£155 +VAT=£182.13 - PRI 2490

SWIFT 200C COLOUR

RRP	£279
PRINTER KIT	£49
TOTAL VALUE:	£328
SAVING:	£159
SILICA PRICE:	£169

£169 +VAT=£198.58 - PRI 2495

24 PIN 300 CPS 80 COLUMN

2 YEAR WARRANTY · STAR BUY · COLOUR VERSION AVAILABLE · FREE! PRINTER KIT WORTH £49 · FREE DELIVERY

- Citizen Swift 240/240C - 24 pin - 80 column
- 300cps SD (15cpi), 240 cps Draft, 80cps LQ
- 8K Printer Buffer - 40K maximum
- 9 LQ Fonts + 2 Scalable Fonts (8-40pts)
- Font Cartridge Slot for plug in 'style' fonts
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson, IBM, NEC P20 & CEL Emulations
- Quarter Printing Facility
- Auto Set Facility Bi-directional Interface, Auto Emulation Detection
- Ultra Quiet Mode - 43dB(A)
- Colour Printing
  Standard - Swift 240c,
  Optional - Swift 240
- FREE Silica Printer Kit

£10 OFF PREVIOUS PRICES

SWIFT 240 MONO

RRP	£339
PRINTER KIT	£49
TOTAL VALUE:	£388
SAVING:	£209
SILICA PRICE:	£179

£179 +VAT=£210.33 - PRI 2560

SWIFT 240C COLOUR

RRP	£359
PRINTER KIT	£49
TOTAL VALUE:	£408
SAVING:	£209
SILICA PRICE:	£199

£199 +VAT=£233.83 - PRI 2571

THE SILICA SERVICE

SILICA 1978 1993 15 YEARS SERVICE TO YOU

Before you decide when to buy your new printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals and accessories, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M COMPANY (with over 200 staff):** We are solid, reliable and profitable.
- **CORPORATE & EDUCATION DIVISION:** Volume discounts are available. Tel: 081-308 0888.
- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your requirements are available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with special offers and full details of hardware, peripherals and software.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE 081-309 1111

SILICA IS A DIVISION OF PROOS PLC

MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Order Lines Open: Mon-Sat 9.00am-7.00pm (Sat 9.00am-5.30pm) No Late Night Opening	Tel: 081-309 1111 Fax No: 081-308 0608
CROYDON SHOP: Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	Opening Hours: Mon-Sat 9.00am-6.00pm Late Night: Thursday - 8pm	Tel: 081-688 4455 Fax No: 081-686 4658
LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA	Opening Hours: Mon-Sat 9.30am-6.00pm No Late Night Opening	Tel: 071-580 4000 Fax No: 071-323 4737
LONDON SHOP: Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	Opening Hours: Mon-Sat 9.30am-7.00pm Late Night: Thursday - 8pm	Tel: 071-629 1234 Extension: 3914
SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Opening Hours: Mon-Sat 9.00am-5.30pm Late Night: Friday - 7pm	Tel: 081-302 8811 Fax No: 081-309 0017
ESSEX SHOP: Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) Late Night: Thursday - 7pm	Tel: 0702 468039 Fax No: 0702 468039
IPSWICH SHOP: Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) Late Night: Thursday - 8pm	Tel: 0473 287092 Fax No: 0473 287092

To: Silica, CMUSR-0494-55, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND A BROCHURE ON THE CITIZEN RANGE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 55AC

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.



IT'S FOR MY DAD...

As computer graphics get better, and tastes become more extreme, censorship rears its head in the software industry this month. Tony Dillon wonders if it's really what the doctor ordered.

You are are now not allowed to buy certain games. Well, perhaps things aren't quite that bad yet, but the recent voluntary classification system brought in by ELSPA (European Leisure Software Publishers Association) is definitely a major step towards that situation. From this month on, all games will have to carry a 'Monitor Man' sticker, which will offer suitability guidelines to its potential audience.

Parents have always been concerned about computer games and the amount of time kids spend playing them, worried that behind the glare of the screen lies a den of filth, pornography and explicit violence.

It's true that graphic and programming techniques are improving and games themselves seem to be getting more and more explicit in their depiction of violence. *Mortal Kombat*, for instance, includes scenes where a person's spine is ripped away from their body. It would now seem that the software houses need some kind of legal safeguard against lawsuits from distressed parents, whose children may be negatively influenced by the level of violence in some games.

Don't get me wrong, I'm all for mature or 'adult' games, and by 'adult' I don't automatically mean pornographic. But there are a lot of people who want more than *James Pond* to entertain them. If they didn't, why would horror films sell so well?

However, as computer entertainment now reaches a far larger audience than it ever did before, there needs to be some distinction between a family game and something for mature gamers, but are the monitor man stickers really the right way to go about it?

IS THIS THE ANSWER?

There are some major stumbling blocks with age classification. The first, and most obvious, is that a higher age rating automatically makes it more tempting for younger gamers to try and get hold of the over 18 games. After all, forbidden fruit always tastes the sweetest. This is something that software publishers will be more than aware of, so there will always be the temptation to stick the odd splash of blood in to up the rating.

Remember, the playgrounds of this world are full of young adults always looking for the 'coolest' games to own, and this certification could be just the thing to identify them.

There is another down-side to labelling. What happens to the more family-oriented games? Take something like *Robocod* from Millennium, for instance. It could never be classified as anything other than Universal – For All Ages, and as a result it might lose out against *Covergirl Strip Poker*, which is nowhere near as entertaining, nor will it keep you playing for as long. Yet due to its content, will receive at least a 15 rating. Will software houses feel obliged to create more adult games, just to keep their sales high enough?

Look at the video rental industry, where age classification often seems to be ignored by stores, or is, at least, too difficult to enforce. When I was at school, I can clearly remember ribald tales of late-night gore films and graphic discussions on the contents of someone's intestines.

Even now, if you offer a fifteen-year-old the choice between Disney's Aladdin and a cheap US horror flick, which do you think he would want to see? And which film will be more acceptable to his peers? A lot of things will influence his decision, and sadly the actual quality of the film seems to rank quite low.

OPTIONS?

So what is the alternative? There is really only one – a legally enforceable categorisation scheme and integrity on the part of the shopkeeper. Let's have two categories only; fifteen and over and below fifteen. I only choose fifteen because that's the age that, on average, kids can easily get into an 18 rated movie at the cinema. Also, let's keep the two in completely different sections of the shop.

Most importantly, let's not allow younger players to buy the games that aren't in their range, even if they do claim that "It's for my dad".

We can't ban adult games – there are a lot of adults who want to play them. But we do need to split the market to protect the young from exploitation.

There is nothing wrong with being an adult, or having adult interests, so let's sort this out before any game with an 18 rating gets a 'top shelf', under the counter, flasher's mac' stigma attached to it. CU

CU AMIGA would like to stress that views expressed in Points Of View do not neccessarily reflect the views of the magazine.

THE Hanna-Barbera® ANIMATION WORKSHOP

At last! An animation package that is fun and simple to use. Now everyone can make their own cartoons.

The Hanna-Barbera Animation Workshop brings the power of animation to your computer in a form that is user friendly. Using a simple yet powerful Icon Animation System (IAS), anyone can quickly produce impressive animations just like the professionals.

Complete with Hanna-Barbera animations (The Flintstones, Scooby Doo, Yogi Bear & The Jetsons), and clip-art for you to include in your own artwork.

Video input capability that allows you to import hand drawn animations and still backgrounds by using a camcorder or video camera and a digitizer.*

Contains features that the professional animator couldn't do without such as onion-skinning for careful positioning of frames and an adjustable exposure sheet so that you can get the timing just right!



empire SOFTWARE

CU AMIGA

HAVE YOU GOT THE MESSEGE YET?

APRIL 1994

